PUBLIC WORKS DEPARTMENT

(BOMBAY PRESIDENCY)

ADMINISTRATION REPORT

FOR THE YEAR

1916-1917

PART II

IRRIGATION WORKS

ACCOUNTS AND STATISTICAL STATEMENTS

(Part I—Civil and Military Works and Railways is issued separately)

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ADMINISTRATION REPORT

OF

IRRIGATION WORKS IN THE BOMBAY PRESIDENCY FOR 1916-17.

I.—GENERAL.

A.—DETAILS OF DIRECT EXPENDITURE.

In the year 1916-17 the direct expenditure (excluding collection charges) on all the Irrigation Works throughout the Presidency amounted to Rs. 68½ lákhs compared with Rs. 86¾ lákhs in the previous year, and Rs. 93 lákhs, the average of the last three years. The total is classified and divided between the Presidency proper and Sind as follows :—

	Deccan and Gujarát.	Sind.	Total.
	Rs.	Rs.	Rs.
Works ...	24,01,870	6,24,804	30,26,674
Repairs ...	4,87,321	19,48,993	24,36,314
Establishment ...	8,05,999	8,53,099	16,59,098
Tools and Plant ...	—1,19,209	—1,52,109	—2,71,318
Refunds of Revenue ...	—9,115	.....	—9,115
Gratuitous Relief ...	.....	.....	.....
Suspense Account ...	8,313	796	9,109
Receipts on Capital Accounts ...	—5,319	.....	—5,319
Total ...	35,69,860	32,75,583	68,45,443

2. The distribution of the above expenditure under Major heads of Accounts is given below :—

Heads.	Rs.	Amount.	Remarks.
Capital Account—		Rs.	
Major Works—			
Protective Works ...	... (*a*) 24,45,742		
Productive Works ...	... 2,37,489		
		26,83,231	Imperial.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept	... .	52,883	Half Imperial and half Provincial
Revenue Account—			
Major Works—			
Protective Works ...	... 2,84,455		
Productive Works ...	... 12,74,019		
		15,58,474	Do.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept	... 5,76,969		
Works for which only Revenue Accounts are kept	... 10,73,058		
		16,50,027	Do.
Works for which neither Capital nor Revenue Accounts are kept—			
Agricultural Works ...	... (*b*) 7,95,154		Do.
Contribution Works ...	... 42,265		Deposit contribution.
		8,37,419	
Construction of Protective Works ...	... .	63,409	Imperial.
Famine Relief outlay on Irrigation Works ...	... .	.....	
	Grand Total ...	68,45,443	

(*a*) Includes expenditure in England, Rs. 16,997.
(*b*) Includes expenditure in England, Rs. 222.

B.—FIGURES FOR CAPITAL WORKS ONLY.

3. The receipts on Capital Irrigation Works alone compared with the year's expenditure show a profit of Rs. 34,81,686 in Sind and a loss of Rs. 15,37,473 in the Deccan and Gujarát :—

Class of works.		Direct Receipts.	Indirect Receipts.	Total Direct and Indirect Receipts.	Direct expenditure.		
					Capital.	Working expenses (including the share of collection charges).	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Major Irrigation works	Deccan and Gujarát.	14,56,083	4,064	14,60,147	24,81,564	5,80,220	30,61,784
	Sind	2,28,078	31,24,868	33,52,946	2,37,489	12,01,300	14,38,789
Minor Irrigation works for which Capital and Revenue Accounts are kept.	Deccan and Gujarát	1,72,221	5,056	1,77,277	5,992	1,07,121	1,13,113
	Sind	74,978	21,08,893	21,83,871	11,069	6,05,273	6,16,342
Total Deccan and Gujarát ...		16,28,304	9,120	16,37,424	24,87,556	6,87,341	31,74,897
Total Sind ...		3,03,056	52,33,761	55,36,817	2,48,558	18,06,573	20,55,131
Grand Total, Deccan and Gujarát and Sind, 1916-17		19,31,360	52,42,881	71,74,241	27,36,114	24,93,914	52,30,028
Grand Total, average of last three years ...		19,40,312	46,37,141	65,77,453	45,00,692	24,69,154	69,69,846

4. The area under irrigation showed, on the whole, an increase of over 6 per cent. on the average of the last triennium. These areas and estimated value of the crops grown are contrasted in the following statement :—

Capital Works.	Area.			Value.		
	1916-17.	Average of 3 years ending 1915-16.	Difference.	1916-17.	Average of 3 years ending 1915-16.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Major Works—						
Deccan and Gujarát ...	90,228	136,747	−46,519	1,32,36,841	1,33,23,102	−86,261
Sind	1,490,990	1,357,158	+133,832	3,62,94,016	3,33,38,791	+29,55,225
Total ...	1,581,218	1,493,905	+87,313	4,95,30,857	4,66,61,893	+28,68,964
Minor Works—						
Deccan and Gujarát ...	30,911	31,916	−1,005	11,74,844	14,77,371	−3,02,527
Sind	1,093,304	1,008,268	+85,036	2,74,98,355	2,28,72,513	+46,25,842
Total ...	1,124,215	1,040,184	+84,031	2,86,73,199	2,43,49,884	+43,23,315
Grand Total ...	2,705,433	2,534,089	+171,344	7,82,04,056	7,10,11,777	+71,92,279

NOTE.—For further details see Statements III-E and IV-E of Statistical part of Irrigation Administration Report.

C.—FIGURES FOR OTHER THAN CAPITAL WORKS.

5. These may be works for which only Revenue Accounts are kept, or works for which neither Capital nor Revenue Accounts are kept. The former are termed Second Class Irrigation Works in the Presidency (excluding Sind). The receipts on these works are principally in the form of a share of the Land Revenue and are termed "Indirect" and as such are book credits, so that figures of revenue appearing in the Finance Accounts, as distinguished from the Statistical Statements accompanying the Irrigation Administration Report, are very small, being for direct revenue only, *viz.*, proceeds from sale of water, etc. The area of irrigation on these very numerous works is always large, but it fluctuates to

some extent with the seasons. The following statements give a comparison of this year's and the average of the last three years' figures :—

Class of works.		Revenue. Direct.	Revenue. Indirect.	Revenue. Total.	Expenditure.	Net Revenue.
MINOR WORKS.		Rs.	Rs.	Rs.	Rs.	Rs.
Works for which only Revenue Accounts are kept.	Deccan and Gujarát .	11,220	5,80,082	5,91,302	3,51,850	2,39,452
	Sind	60,672	28,36,078	28,96,750	9,48,886	19,47,864
	Total for 1916-17 ...	71,892	34,16,160	34,88,052	13,00,736	21,87,316
Average total for triennium ending 1915-16 ...		79,602	30,71,301	31,50,903	14,59,157	16,91,746
Works for which neither Capital nor Revenue Accounts are kept.	Deccan and Gujarát .	13,022	.....	13,022	74,782	-61,760
	Sind	15,384	9,65,542	9,80,926	(A)8,08,577	1,72,349
	Total for 1916-17 ...	28,406	9,65,542	9,93,948	8,83,359	1,10,589
Average total for triennium ending 1915-16 ...		25,584	9,49,699	9,75,283	14,33,012	-4,57,729
Grand Total for 1916-17 ...		1,00,298	43,81,702	44,82,000	21,84,095	22,97,905

NOTE.—In this report whenever the average is referred to, it is the average of the last three years, unless otherwise defined. (A) Exclusive of Rs. 222 on account of English expenditure incurred in the Karachi Buildings Lt.

Class of works.	Area. 1916-17.	Area. Average of triennium ending 1915-16.	Area. Difference.	Value of crops. 1916-17.	Value of crops. Average of triennium ending 1915-16.	Value of crops. Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Minor Works— Works for which only Revenue Accounts are kept—						
Deccan and Gujarát ...	143,723	136,769	+6,954	43,13,643	39,44,501	+3,69,142
Sind	1,195,802	1,126,520	+69,282	2,89,79,210	2,44,43,936	+45,35,274
Total ...	1,339,525	1,263,289	+76,236	3,32,92,853	2,83,88,437	+49,04,416
Works for which neither Capital nor Revenue Accounts are kept—						
Deccan and Gujarát ...	1,095	1,490	-395	46,691	45,655	+1,036
Sind	39,778	43,236	-3,458	10,02,281	9,68,929	+33,352
Total ...	40,873	44,726	-3,853	10,48,972	10,14,584	+34,388
Grand Total ...	1,380,398	1,308,015	+72,383	3,43,41,825	2,94,03,021	+49,38,804

D.—REVIEW OF IRRIGATION.

6. A general review of irrigation brings out strikingly the different conditions obtaining in Sind and in the Presidency proper. Well irrigation is similar in all parts of the country but canal irrigation in Sind is of quite a different nature from the canal and tank irrigation in the Deccan and Gujarát. Description of irrigation.

7. In Sind, the rainfall is scanty and the cultivation entirely depends upon irrigation, the country is flat and the soil is mostly very fertile, but until it is brought under irrigation, the land presents everywhere the appearance of a desert.

8. In Sind, the canals are mainly dependent for their water supply on the inundation of the river Indus. They receive water, with few exceptions, from June to September only and their flow is very variable. With a consistently low river, the canals can get only very little water, while a fairly high and long-lasting inundation permits of the wide-spread cultivation of rich crops.

9. In the Deccan and Gujarát, the cultivation depends upon rainfall only and the tanks and canals are therefore useful for the purpose of growing more valuable crops or to counteract, if necessary, the evil effect of years of deficiency of rainfall.

Inundation and rainfall in Sind.

10. The inundation of 1916 was a satisfactory one owing to abnormally heavy but timely rainfall which was of great assistance in mitigating the otherwise serious effects of the low river in June.

Rainfall in the Deccan and Gujarat.

11. In Gujarát, the rainfall, though not much in defect of the normal, was not satisfactory, being local and scattered. In the Deccan, however, it was seasonable and consequently there was less demand for canal water for monsoon and rabi crops.

12. The area irrigated in Sind was over 3¾ million acres which is more than a quarter of the culturable area of the province and the gross revenue was 94 lakhs of rupees while the capital expenditure upto date on irrigation works has been 326½ lakhs.

13. In the Deccan and Gujarát the total area irrigated was 266,000 acres only out of 28 million acres classed as culturable and the revenue from all sources was nearly 22½ lakhs. The capital expenditure upto date has been 619 lakhs of rupees.

II.—SIND.

1.—NATURE OF INUNDATION AND RAINFALL.

Character of Inundation.

14. The inundation of 1916 was, on the whole, a satisfactory one owing to abnormally heavy but timely rainfall in June when the river was unusually low.

15. The river commenced to rise early in June and reached its highest level on the 16th August when the reading at Bukkur was 13·6 feet, as against 12·7 feet in 1915, and 17·9 feet, the maximum reading recorded. On the 14th August it attained the "fair irrigating level" of 13 feet. This level and over was registered for 9 days as against none in 1915, 45 days in 1914 and an average of 20 days for the previous triennium.

16. The corresponding 'fair irrigating level' *viz.*, 17 feet at Kotri, was first registered on the 21st June and this level and over was maintained continuously upto the 14th September, *i. e.*, for 86 days as against 65 days in 1915, 100 days in 1914 and an average of 77 days for the previous triennium. The highest reading was 22·1 feet on the 24th August as compared with 19·6 feet in 1915, and 23·8 feet, the maximum reading recorded.

Rainfall.

17. The season's abnormally heavy rainfall was of great assistance in mitigating the otherwise serious effects of the low river during June, although it caused some breaches in canals in north Sind which were, however, closed with small damage to crops.

2.—INDUS RIGHT BANK DIVISION.

(i)—WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Desert Canal.

18. The Desert canal was opened on 1st June as usual and the supply was very good throughout, except at the tails of some branch canals where there was slight deficiency. Though the full supply gauge reading was obtained on 40 days the canal discharged its designed discharge of 2,750 cusecs on 83 days.

19. The Adiowah worked better than last year. A scheme for remodelling it is under consideration.

Unharwah.

20. The Unharwah was opened on 1st June 1916 and the supply was, on the whole, satisfactory, except on a branch, the Kharirowah, but at its tail and that of the Nasir there was slight deficiency chiefly due to a large number of *kacha* sluices. Though the full supply gauge was obtained on 34 days, the designed discharge was recorded on 74 days.

21. The rabi supply was reduced by active erosion just above the head which caused heavy silting in the supply channel in September. Soon after, the main Dhand moved away from the mouth, but a new cut was made extending the mouth to the main Dhand.

Begári Canal.

22. The Begári canal was opened on 1st June as usual and the supply was very satisfactory throughout. The maximum supply which the canal can take was obtainable on 58 days and the designed discharge of 5,668 cusecs was obtained on 67 days.

23. There were complaints of deficiency from the zamindars whose karias take off the main canal below and near the regulators. The only method of removing these complaints is to construct branch canals, proposals for which are under consideration.

24. All the branch canals worked well. There was a little deficiency at the tail of the Nurwah, but this was rectified by rotation of the upper sluices.

25. One breach occurred in the main canal, at mile 33/3 right bank which was quickly closed. The Choi branch breached badly on two occasions at its crossing at the Lundi Dhoro. Retired bunds have now been constructed at this point to minimize the danger of recurrence of such breaches.

Mahiwah.

26. The Mahiwah was opened on 10th June 1916. The canal takes off from the Gudu dhand and has worked very satisfactorily. Usual rotations were enforced to supply water to Deharwah tail and for the irrigation of high lands for rabi. The following works remaining to be done in connection with the Mahiwah Project, (i) widening the Mahiwah Main, (ii) sluice at head of Khambra distributary, (iii) road culvert on Khambra distributary at mile 1/3, have been abandoned and a survey is being made for a new rabi branch starting from mile 1/1 of the Mahiwah in lieu of the projected Mirkosh branch.

27. The Rahuja head of the Sukkur Canal was opened on the 25th May 1916 with 4·8 feet at Bukkur, and the gauge at Shikarpur road bridge reading 6·2 feet. This year, this head worked very satisfactorily as it was not found necessary to supplement the canal by opening the old head till 30th September whereas in 1915 the old head had to be opened on 5th July. This good result was due to the clearance that was done during the previous working season. Dhoro "B" was again thoroughly cleared to a bed width of 50 feet to supply the Rahuja head and groyning was done in a particularly wide portion. Sukkur Canal

All the branches worked satisfactorily.

28. The Ghar canal was opened on 26th May 1916 when the gauge at its head recorded 4 feet corresponding to 4·5 feet at Bukkur. On the 14th of June the Bukkur gauge read 10·1 feet (the reading which affords a fairly good supply in the canal) and the river rose, with a few fluctuations, till 1st July when 12·2 feet were recorded at Bukkur. During this rise, rice transplantation was pushed on vigorously with the result that all crops were established. Owing to the groynes constructed and clearance done in the Ghar dhand opposite the canal mouth, the supply in the canal proved quite adequate. This year a permanent earthen dam has been constructed across the dhand just below the head of the canal. Ghar Canal.

29. The Fordwah, a feeder of the Ghar canal and its branches, which takes off from the Ford dhand, worked very satisfactorily. It was opened on 1st June 1916, recording a gauge reading of 5·4 feet on the up-stream and 3·5 feet on the down-stream at the head regulator, when the gauge at Bukkur was reading 4·6 feet. Full supply depth of 10 feet and over was recorded at the 2nd Mile regulator this year for 19 days against 3 days last year. There is generally a scour in the bed as well as on the sides just below its head regulator. To prevent this, every year, groynes are constructed but they have not been very successful. Further groyne work of a more permanent nature has been done this year.

30. The Sattah canal derives its supply from a "Kohri" which is fed from the river Indus by an artificial cut, where heavy clearance is necessary every year involving heavy expenditure which must continue until a regular canalized channel is obtained. The canal and its branch, the Rajwah, have worked very satisfactorily although affected by the general deficiency of the early part of the inundation. Sattah Canal.

(ii) Works for which only Revenue Accounts are kept.

31. The principal canals under this head are the Sind, Western Nara, Pinyari, Kalri and Baghar canals.

32. The Sind canal was opened on 1st June 1916. The system received an excellent, steady supply upto the end of August, when the river fell suddenly. Most of the lift lands got flow water and rice cultivation was tried to a great extent owing to the ample supply in the system. The very favourable conditions at the head of Colonel Fife's Channel suddenly changed towards the end of August when the river receded from the dhand feeding the channel. A proposal to take advantage of the supply, in future, from the other head, New Feeder, is under consideration. The irrigation works under contemplation in regard to this canal are (i) removing curves in the canal, (ii) remodelling Mangirwah, (iii) reducing karias in Mirwah. Sind Canal.

33. The Western Nara canal was opened on 20th May when Bukkur gauge read 4·7 feet and flowed with a depth of 3·0 feet at its head. The head regulator was kept fully opened till 10th August when it read 13·0 feet, *i.e.*, ·2′ more than the full supply level, when it was regulated on account of breaches in the canal. From 1st September the regulator was again kept fully opened. Western Nara.

34. The gauge at the head regulator corresponded well with that of Bukkur up to the middle of September but thereafter showed a difference of nearly 2·5 feet which was mostly due to erosion in the dhand feeding Gharo 'B'.

35. The canal worked very satisfactorily this year and the kharif crops grown were better than last year. The lands were also well soaked for rabi excepting some high portions.

36. In Mehar Sub-division there was deficiency of water from the beginning of July when the river was low and water was taken in the upper reaches for transplantation. But the rotations resorted to in the upper reaches did much good and saved the seedlings from withering. The rainfall in the beginning of August helped to bring the crops to maturity. Much of the kharif crop was flooded but the losses were amply compensated by an increase in rabi cultivation. In the Pritchard and Dadu Sub-divisions the kharif crop on the right bank of the Nara was mostly submerged by hill floods. The canal ceased flowing at the head on 30th October.

37. The New Feeder, till last year, used to take off from the Khambrani dhand, but this year the river has changed its course and the Feeder now takes off direct from the river. The canal was opened on 9th June, with a depth of 6·5 feet on the up and down stream gauges and the regulator remained fully opened till 9th August when the full supply of 12·4 feet was attained. From this date till 2nd September the supply was regulated in accordance with requirements.

38. The river has eroded about a mile at the head of this canal and is now about 2 miles 5 furlongs from the head regulator. There was no complaint of deficiency on this canal and the crops have been better than last year.

39. The Pritchard canal is the second feeder to the Western Nara. It worked excellently and gave a satisfactory supply.

40. It was opened on 25th May and had a moderate supply in the beginning but there was excessive water in the latter half of August and the regulator had to be partly closed. The cultivation has been normal and flourished well.

41. The canal brought down much silt as usual as it takes off directly from the river though it has a non-silting section.

42. Rotations on the stop gate regulator were carried out as usual. The two escapes, one at mile 13/1 and the other at mile 21/1 and also the Larwah, a large zamindari karia in mile 13/7, were used this year at the time hill floods entered the Western Nara.

Pinyari.

43. The Pinyari was opened on 7th May 1916. It is 67 miles in length and is the chief source of supply of three sub-divisions, *viz.*, the Pinyari, Sujawal and Shahbunder.

44. The supply in the lower reaches of this canal was deficient until the early part of July and even when the normal supply became available the general demand all over the area under command caused considerable difficulties in distribution which were met by rotations. The supply was in excess of requirements after the heavy rainfall in August and was cut off at the head regulator. The work of reduction of vents of karia sluices drawing off excessive supply has now been almost completed.

45. The closure of unauthorized and superfluous karias is having the anticipated result of equalizing the distribution of supply in the branch canals.

46. The cultivated area and the outturn of crops have been exceptionally good.

Kalri.

47. The Kalri canal takes off from the river Indus near Luka and runs south-west through the interior of Tatta taluka and tails into Mirpur Sakro taluka. It was opened on the 11th June and until the 26th July 1916, the full supply in the canal was not available which resulted in loss of much of the early sowings. The well distributed rainfall of August, however, proved very beneficial and the continued good supply in the main and branch canals throughout August and September has yielded excellent crops.

48. Proposals for improving the water-supply in the lower reaches of the Kalri are under consideration.

Baghar.

49. The Baghar canal is one of the deltaic mouths of the river Indus and takes off from the right bank of the river near the town of Tatta. It runs through the Baghar Sub-division and tails into the sea through the Shisha Creek.

50. The supply in the Baghar branches during the early half of the inundation was very inadequate but after the rise of the river and the heavy rainfall of August it became excessive. The canal being unregulated it was inevitable that breaches of its banks should result but these were most promptly dealt with and little damage from flooding resulted.

51. The area under cultivation and outturn of crops are in consequence well up to the average.

Unfinished works.

52. The following are the principal original works under this head which were either commenced during the previous year or during the year under report but were yet in progress :—

	Expenditure during 1916-17.
	Rs.
Additions and alterations to the regulator at Chiman at mile 5/5 of the Sind canal	1,000
Additions and alterations to the Bichanji Regulator on Chiti canal	5,498
Constructing a head regulator over Chario Wahur canal...	83,419
Excavating a cut for the Phitta canal from mile 4/7 to 9/0	4,112

53. In the Shikarpur Canals District, owing to the extensive floods, vast areas of land were brought under rabi cultivation.

54. In places exposed to floods, the kharif crop was submerged but the losses were amply made up by an increase in rabi cultivation. The regulation of sizes of karia heads and of rotations at regulators were followed as in previous years and proved satisfactory.

3.—INDUS LEFT BANK DIVISION.

(i) Works for which Capital and Revenue Accounts are kept.

55. While all the canals in the Right Bank Division take off directly from the Indus river, those in the Left Bank Division fall under two groups, *viz.*, (*a*) the Eastern Nara System and (*b*) canals taking off direct from the Indus.

Under (*a*) are the Nara river, the Jamrao, Mithrao, Khipro, Thar and Hiral canals, of which the Khipro canal flows during the inundation only, the others being perennial. The Thar, though classed as perennial, is closed on or about the 1st December each year to save the country round about from being water-logged.

Under (*b*) are the Dad, Nasrat, Fuleli, Hasanali and a large number of smaller canals, all being classed as inundation canals though the Fuleli receives a fair rabi supply.

(a) Canals taking off from the Eastern Nara.

56. The Nara supply channel is an artificial channel 12 miles in length taking off the river on its left bank above Rohri and forming the mouth of the Nara, an ancient course of the Indus. The supply channel worked satisfactorily during the year and no necessity for the services of a dredger was felt. The minimum discharge recorded during the year was 511 cusecs with a downstream reading of 6·1 feet at the head regulator. The Sarhad floods entered the Nara supply channel and these, though supplemented by abnormal rains, did not reach the Eastern Nara District. The head regulator was tightly closed; when a height of 26·1 feet on the 12th mile gauge was reached, for a full month from 18th August to 18th September. It was completely opened on the 21st September. Nara Supply Channel.

57. Necessary repairs to the channel and its sides, consisting of stone pitching and groyning were carried out during the year. Fluctuations of silting and scouring occurred at the mouth and were carefully watched and recorded as usual. The earthwork of the Ghotki Flood Diversion Bund (29 miles) mentioned in the last year's report was nearly completed during the year under report and a sum of Rs. 1,83,031 was spent on it during the year.

58. The Nara, from the end of the Nara supply channel to the Jamrao, is about 96 miles and from the Jamrao to the Thar Weir about 100 miles in length. It commands over 500,000 acres of culturable land. The area cultivated during the year on the Nara in this district was about 40,840 acres as against 38,233 acres in 1915-16 and 38,324 acres, the average of the previous three years. The Nara

59. The Nara bed is in fairly good condition. During the year under report surplus water from the Nara was allowed to pass through Mooral and Bagdad Sangs from 21st August to 13th September to the Makhi dhand, which forms a reservoir for supplementing the rabi supply of the Mithrao. This greatly helped the Mithrao when deficiency was experienced in the latter part of the year.

60. No capital expenditure was incurred on the Jamrao canal during the year. The recoveries of the year from Colonists amounted to Rs. 10,885. Jamrao Canal.

61. Current repairs to the head works were carried out, as usual, and the head works were maintained in good order throughout the year and were not subjected to any undue strain, as the maximum and average discharge passing down the Nara were both low. The scour hole near the Divide Wall upstream of the weir silted up, as usual, during the flood season when the shutters were down. An opportunity was taken to cover it with a stone mattress 50′ × 50′ × 1·5′ deep to prevent its scouring again before the water level fell and the weir shutters were raised. This has acted very satisfactorily and no further trouble is apprehended.

62. The approach channel has maintained its satisfactory condition. Soundings were regularly taken and the behaviour of the silt trap carefully watched for any signs of undue silting. The groynes at the nose of the island and also on the opposite side on the right bank were maintained in good order. They have stopped erosion and have induced silting, so ending the trouble hitherto experienced at these points.

63. The canal was completely closed for clearance from the 15th March to 25th May 1917. The necessity for this clearance after 17 years of the working of the canal was apparent, as the kharif discharge had fallen considerably below the designed discharge though the gauge reading at the head had been increased. This most important and arduous work was successfully completed within the period fixed for the closure of the canal. It had to be undertaken departmentally and employed some 5,000 men. The silt removed amounted to 166 lákhs cubic feet, at an approximate cost of Rs. 1,00,610. The whole work including raising inspection paths, etc., amounted to Rs. 1,34,780.

64. The area cultivated during the year on this canal was about 248,420 acres as compared with 278,135 acres in the last year and 259,103 acres, the average of the previous three years. The decrease in cultivation was mainly in the rabi crops. The area under cotton was about 101,020 acres as compared with 66,608 acres in the last year and 105,495 acres, the average acreage of the previous three years. A marked feature of this year's cotton was that owing to its high price, zemindars tried to get as many pickings as possible from their crop. Cotton was watered till December and in some cases upto February.

65. An allotment of new land to the extent of 7,467 acres was made during the year on this canal.

66. The Mithrao is, as already mentioned, a perennial canal taking off from the Nara above the Makhi Weir. The water-supply in the canal was fairly good on the whole though deficiency was felt at the tail at the commencement of the season. All the branches also worked well. Mithrao Canal.

67. The 30th and 45th mile distributaries, as mentioned in the last year's report, came into operation in May 1916 and worked satisfactorily. They should do well after some minor adjustments. The construction of these distributaries has improved the condition of

the lower reaches of the Mithrao to some small extent but that portion cannot be adequately benefited until the Makhi distributaries ex-Nara, which have been sanctioned but postponed for lack of funds, are constructed.

68. The capital expenditure of the year amounted to Rs. 10,420 and was mainly incurred on completing the 30th and 45th mile distributaries mentioned above.

69. The area cultivated during the year under report was about 129,290 acres as compared with 129,365 acres in the last year and 130,010 acres, the average of the previous three years.

Hiral Canal.

70. The Hiral canal flowed throughout the year and its supply was sufficient. The canal was designed for the cultivation of dry crops only and rice was entirely prohibited. But owing to the declining prosperity of the tract in the past decade, this restriction was relaxed and, as mentioned in the last year's report, zemindars were permitted to grow rice for two years (1915-16 and 1916-17) in low-lying and water-logged lands and also in high lift irrigated 'kalar' lands in which no dry crops can be successfully grown. As this concession was found to be advantageous to the zemindars and its continuance and extension thought desirable, pending the restoration of the condition of the soil by the construction of drainage channels, etc., certain proposals were put forward at a conference by the Executive Engineer, the Superintending Engineer and the Collector and recommended to Government by the Commissioner in Sind with some modifications. These have since been sanctioned by Government under Government Resolution, Revenue Department, No. 7355, dated the 16th June 1917. A project for the improvement of the Hiral tract by the provision of drainage channels is under scrutiny.

71. The Hiral commands 49,000 acres of culturable land. The cultivation during the year was about 17,970 acres as compared with 17,245 acres in the last year and 17,901 acres, the average of the previous three years.

72. New grants to the extent of 197 acres were made to local zemindars and Junior Talpurs on this canal during the year. Besides this, 688 acres of fallow-forfeited area were restored to the zemindars. An area of 526 acres was, however, forfeited during the year under fallow rules on account of non-payment of fallow assessment and 327 acres of grants cancelled.

Thar Canal.

73. The Thar canal and its branches worked satisfactorily. As the river was low at the beginning of the season, it did not get its full supply level of 8·7 feet and rotation had therefore to be resorted to at the intermediate regulators for the proper distribution of water upto 5th August. The Sufi Distributary newly excavated *ex* the Right Bank Branch of the Thar canal gave a good supply to the high lands near the Thar Protective Embankments but it drew off more than its share. A head regulator was therefore constructed across it during the year in order to restrict the supply.

74. The cultivation on this canal during the year was about 58,780 acres against 63,463 acres in the last year and 60,212 acres, the average of the previous three years.

Khipro Canal.

75. This canal commenced flowing on 29th May and ceased to flow on 7th November. It worked well upto the last and no rotation of karias had to be resorted to this year as is usually the case.

(b) Canals taking off direct from the Indus.

Nasrat Canal.

76. The supply in the Nasrat canal was deficient but the heavy rainfall of July and August and the usual rotations at intermediate regulators helped the cultivation to a very great extent. The canal was opened on the 8th of June and stopped flowing on the 30th September. The late commencement of flow of the canal had a bad effect on the cultivation of cotton which requires early water. There was a considerable reduction in the outturn from cotton owing to much of the late sown crop not having matured before the advent of frost. The loss on cotton cultivation was, however, more than made good by the extensive rabi cultivation which was effected as a result of the heavy rainfall of the season. The cultivation during the year on this canal was about 112,720 acres against 81,662 acres in the last year and 89,925 acres, the average of the previous three years.

77. The new cut, feeding the Nasrat excavated in 1915-16, worked very satisfactorily upto the beginning of September but about the 4th of that month the main current of the river, which, till then, had been eroding its left bank below the off-take of the cut, moved to the other side, leaving a large dhand in front of the new cut. This produced a fall in the water level, so that partly from this cause and partly from the deposit of silt, the canal stopped flowing while the Bukkur gauge read 6 feet although the cut had been excavated to flow with 3 feet at Bukkur. The Lundi dhand has been cleared this year (1917) to feed the Nasrat while the new cut has been closed at both ends and will be opened if erosion starts again at the Lundi Head and causes it to silt.

78. The total expenditure on the construction of karias and kasis upto the end of the year on this canal amounted to Rs. 2,88,860 against which Rs. 3,04,679 have been recovered from the zemindars. The latter amount includes Rs. 8,653 recovered during the year under report. An allotment of 1,758 acres was made on this canal during the year.

Dad Canal.

79. The Dad canal was opened on the 3rd of June and continued to flow effectively upto the 30th of September. The supply, on the whole, was, however, deficient owing to

the abnormally late rise of the river, the rapid fall at the end of the season and silting of the channel feeding the Dad in September. The bad effects of the deficiency were, however, counterbalanced to a great extent, as in the case of the Nasrat, by the heavy rainfall in July and August and by the judicious rotations at the intermediate regulators.

80. There were two breaches between miles 50 and 56. Their occurrence was most unfortunate as it necessitated the closing of the upper regulators to the detriment of the central reach of the canal which, as a rule, gets a deficient supply. The tail of the Dad also breached, as usual, owing to the excess water which had to be let down below the 50th mile regulator to give a suitable level down below. A project is under preparation for the better control of water in the last 36 miles.

81. Owing to erosion at the Dad head in the beginning of the inundation about $2\frac{1}{2}'$ to $3'$ of silt was deposited in the bed. The river, however, changed its course in the end of August and formed a dhand in front of the Dad head but the velocity was not sufficient to scour out the whole of the silt collected. About $1\frac{1}{2}'$ was removed by the force of the current while the remainder was cleared by hand.

82. The cultivation during the year was about 97,710 acres against 89,535 acres in the last year and 104,238 acres, the average of the previous three years.

83. The total expenditure on the construction of the karias and kasis up to the end of the year under report amounted to Rs. 1,32,574 against which Rs. 1,36,314 have been recovered from the zemindars. The latter amount includes Rs. 5,254 recovered from Colonists during the current year.

84. New land to the extent of 346 acres was allotted during the year.

85. The Ren distributary is fed by the Dad canal. At the end of the season due to rotations on the Dad system, the supply was deficient. The heavy rainfall in August, however, helped the crops to maturity. The total expenditure on this project upto the end of the year under report was Rs. 2,19,444, the outlay of the year being Rs. 16,055.

86. New land to the extent of 3,942 acres was allotted during the year.

Fuleli Canal.

87. The Fuleli canal worked quite satisfactorily during the year. The river was abnormally low till the middle of June but maintained a high level throughout the rest of the season. Full supply at the tail was not reached till July 15th but the heavy rainfall in July, August and September helped the crops throughout the district. The rabi supply was barely sufficient for requirements and as the river was considerably below the average, there was slight deficiency in January and February. There was no accumulation of silt at the Fuleli mouth which is in a very satisfactory condition. The groynes for the reclamation of the eroded banks below the head regulator were maintained and the eroded portion is silting up satisfactorily. The Alipur regulator in the 46th mile of the canal was regulated at intervals throughout the season to give a higher level to the lift lands above it. These rotations have greatly benefited the zemindars in growing rabi crops.

88. As the lower mouth of the dhand supplying the *Old* Fuleli had silted considerably during the last inundation, a cut through the silted portion was made in a length of 2,500 feet with a 40 feet bed width to give the canal an early supply. There is still mild erosion at the take-off of the cut from the river and it is quite possible that the *Old* Fuleli will take off direct from the river in the near future and thus get a greatly increased supply.

89. The area cultivated during the year was about 415,000 acres against 416,970 acres in the last year and 400,429 acres, the average of the previous three years.

Hasanali Canal.

90. The main Hasanali canal and its branches worked very satisfactorily and even with the low river at the beginning of the season there was no serious deficiency. The lower part of the canal is of a very tortuous nature with mountainous banks. In the future it will be necessary to cut an entirely new channel and at the same time raise the Full Supply Level of the canal. The Rajwah branch of this canal has been greatly improved by the construction of sluices and the tail now gets a satisfactory supply.

91. The area under cultivation on this canal was about 18,000 acres against 17,945 acres cultivated in the last year and 18,019 acres, the average of the previous three years.

Canals in the Hyderabad Canals District.

92. All the canals in this district worked satisfactorily. There was erosion of the mouth of the Great Marak (dhand portion) during the middle of the inundation. Water in this canal was almost uncontrollable from the middle of June to the middle of September due to there being practically no draw-off for irrigation on account of abnormal rainfall during these months. In many places the canal banks were overtopped. There were also several breaches which caused much damage to the kharif crops. The project for the construction of a head regulator over this canal has been sanctioned and the work will be taken in hand during the ensuing cold weather.

93. The cultivation this year in the whole of the Hyderabad Canals District will be about 282,500 acres against 257,388 acres in the last year and 279,864 acres, the average of the previous three years.

(ii) Works for which only Revenue Accounts are kept.

94. The principal canals under this head are the Naulakhi, Mehrab and Dambhro in the Nasrat Canals District and Ren, Gharo Mahmudo, Kari Shumali and Nasir in the Hyderabad Canals District. All the canals under this head in both the districts had a fairly good supply.

95. Throughout the season active erosion was going on at the Naulakhi Head but the supply was not appreciably reduced owing to the very high velocity in the *shallow* cut of 1915. Since the beginning of September, the river current has shifted to the right bank leaving a dhand in front of the canal head and lowering the water level. As there is every likelihood of the river returning to the left bank, a new cut has been excavated to feed the canal during this season (1917).

96. The Mehrabwah had a variable supply. At first it received a back water supply from the Nasrat new cut, but as this proved deficient it was given a direct supply from the Lundi dhand. This proved most satisfactory till the end of August when this dhand ceased flowing. Thereafter depressions near the canal, which were full of river and rain water, were drained to supply it. This year (1917) the Mehrabwah will be fed from the Lundi dhand which has been cleared for the purpose.

4.—PROTECTIVE EMBANKMENTS.

97. The maximum gauge reading at Bukkur during the year was 13·6′ against 12·7′ last year and the water level against the Kashmor bund was 1·9′ higher this year than last.

98. Erosion took place all through the inundation season between miles 3/6 to 10/1. The river was close to the front bund and it is quite probable that this will be eroded during 1917-18. Proposals for strengthening bunds are under consideration.

99. As usual, hill torrents caused a breach at the north end of the bund but no serious damage was done.

100. No breaches occurred due to flood water but there were a few leaks in the 1896 loop, Tori Bund and Tori Cross Bund. These were opened and refilled by the establishment.

101. Tori, Haibat, and Gouspur Loops were wetted satisfactorily by the trench system.

102. In the Shikarpur Canals District owing to the good inundation the flood water touched the Sukkur Begari bund in 54 out of 57 miles, Kassimpur bund in 5 out of 10 miles and Naich bund in the whole length of 34 miles. All the bunds stood very well and there was no accident. A few leaks occurred in the Adurtakio loop of the Sukkur Begari bund, but they were promptly detected and closed. Important original work carried out and in progress in this district during the year under report was a loop to Sukkur Begari bund, miles 9 to 13 (Bichanji loop).

103. In the Ghar Canals District water first touched the Mitho Phulu bund at depressions in miles 30/4 and 33/2 on 27th June, and miles 20/1 and 21/1 of Jhalli bund on 29th idem, and water stood in these depressions till 30th September. The maximum gauge readings recorded in these portions were 6·4′ and 6·3′ respectively on 16th August when Bukkur gauge read 13·6′ which is the maximum reading recorded during the year. Bunds in this district are in good condition.

104. The bunds in the Western Nara District have now been extended upto Sehwan in a length of 21 miles making up the total length of bunds to 121 miles. The expenditure incurred on the work during 1916-17 was Rs. 1,03,414. With the exception of some leaks, the whole length of the bunds upto mile 80/1 was safe. As regards the new extension from mile 80/1 to 101, the work has been completed and a regulator over the Phitta canal, where the new extension crosses it, has been constructed. There remains only the regulator over the Chario Wahur which is still in progress. With the exception of a few furlongs, the water stood against this bund in its entire length and the maximum depth of water was 10·3 feet at mile 94/1 and 2. Owing to continuous heavy rains and storms, the slopes of the bund have been greatly damaged by wave-wash. There were about 200 leaks and 11 breaches all of which have since been closed.

105. In the Karachi Canals District the river bunds run along both sides of the river Indus for a length of 52 miles on the right bank and 94 miles on the left bank. The whole bund line on both banks of the river stood well during the inundation although the heavy and continuous rainfall of August caused some damage to the bund surface and slopes. Some considerable length of the Baghar Uchito bund had insufficient free-board owing to change in the set of the river and the raising of this length to the standard section is being provided as far as is practicable from the repair grant.

106. Many old type bund sluices which have proved to be sources of danger have now been replaced by new ones of the standard design.

107. The sluice in mile 13/2 of Baghar Uchito bund suddenly collapsed on the 17th August causing a breach which widened rapidly to 100′ and its closure became impossible. This breach resulted in loss to Government of not more than Rs. 3,000 from remission of assessment on crops destroyed by spill water.

108. The uneroded distance between the river and the front Belo bund was only 17′. Erosion had also been active on the right bank opposite 27th mile of Baghar Uchito bund, and in the river Hyderi against the 12th mile of Kokawari bund which was cut into and will not now be maintained below this point as decided by the Indus River Commission.

109. A retired loop behind mile 9/6 to 10/3 of the Kokawari bund was constructed in 1915-16 but before it had been possible fully to wet this new loop, erosion of the river cut the front bund on the 29th June 1916, and the sudden pressure of the river spill against the new loop caused several breaches which it was impossible to close. These breaches have all been repaired during the year under report.

110. There are six short bunds in the Nasrat Canals District, all of which had river water against them during the inundation. The bund between the Nasrat and the Naulakhi was eroded and about half a mile of it taken away, but no damage resulted as a temporary loop was constructed behind it to confine the spill water. The Tirchi bund also breached but was immediately repaired.

111. The Ren Bund in the Hyderabad Canals District stood very well during the year under report. There was water against it in almost the whole of its length, the maximum depth being 3·9 feet.

112. All the bunds in the Fuleli Canals District were subjected to high water levels during August when Kotri gauge reached a reading of 22 feet. This was within 1·8 feet of the maximum of 1914. Owing to the heavy rainfall, the Baran river came down in flood and the gauges along the Hajipur bund rose to within ·5′ of the 1914 record. There were no breaches or leaks and the chief trouble was due to wave-wash. The new bund from the Dhadko to the Mulchandwah, estimated to cost Rs. 19,801, was commenced during the year under report and a sum of Rs. 4,204 was spent on it upto March 1917. A new sluice at mile 14 of the Hajipur bund is also under construction. With the completion of this bund and sluice, the whole embankment system of this district should be thoroughly efficient as owing to the high river level of the past few years the existing bunds have been severely tested and found to be staunch.

5.—INDUS RIVER COMMISSION.

Indus River Commission Works and their classification.

113. The expenditure on works and surveys was charged to "43—Irrigation Minor Works and Navigation—Agricultural Works—Works for which neither Capital nor Revenue Accounts are kept."

Survey of the Indus.

114. The usual topographical surveys, aggregating 2,337 miles in length, of the Indus, dhands and bunds, etc., were made.

115. The Indus from Rojhan in the Punjab down to the bifurcation, 526 miles, the Haideri 37 miles, and the Ochito 63 miles were surveyed and plotted.

116. The usual surveys for the "Central passage of the Indus" were carried out. As, however, no useful results are obtained from these particular surveys, Government have now ordered that they should be discontinued in future.

Khairpur Boundary Rails.

117. The Khairpur Boundary rails, 82 in number, were inspected. Rail No. 24, on the right bank and its pointer were shifted to Phulu bund and the altered distance from this rail to midstream fixing and the consequent change in the total distance of the whole range line were reported to the officers concerned.

River Gauges.

118. Gauge readings of the river were taken daily at 11 stations, twice a week at 4 stations and weekly at 9 stations.

Scientific Work and discharges of the Indus.

119. Discharge observations were continued at Sukkur and Kotri; and observations were made for the velocity at various depths, on the silt in suspension and sand waves or the movements of the bed of the river. The results will be published in the Indus River Records. The discharge at Sukkur during the inundation and the minimum discharge of the year, compared with the results of previous years, are as follows:—

Month.		1912-13.	1913-14.	1914-15.	1915-16.	1916-17.
		C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
June ...		8,138,000	8,432,000	7,401,000	8,925 000	8,038,000
July ...		16,227,000	10,586,000	21,453,000	10,756,000	13,044,000
August ...		17,275,000	13,377,000	18,359,000	11,834,000	18,227,000
September		7,034,000	7,676,000	13,863,000	7,083,000	7,972,000
	Total* ...	48,674,000	40,065,000	61,076,000	38,598,000	47,281,000
Average discharge ...	Cusecs ...	398,967	328,402	500,623	316,377	387,549
Maximum discharge ...	Cusecs ...	721,256	621,156	948,728	430,445	735,348
Minimum discharge June to September ...	Cusecs ...	105,230	108,513	176,894	134,888	73,287
Minimum discharge observed throughout the year ...	Cusecs ...	23,730	23,719	40,664	25,546	17,568

NOTE.*—These totals and their constituent figures are the sums of the daily observations of the Indus in cusecs. To arrive at its total discharge during the period concerned, the figures given in the table must be multiplied by 86,400 (the number of seconds in a day).

120. The discharge observations of the Indus at Mithankot above and below its junction with the Chenab were continued this year. The minimum discharge was 16,449 (actual) and 20,000 (calculated) cusecs respectively at the two sites.

121. Silt observations were taken above Bukkur gorge for comparison with those below the gorge.

Extensions and Improvements and Special Repairs.

122. The estimated cost of the works under these heads sanctioned during 1916-17 by the Indus River Commission for execution by Executive Engineers and by the Commission is given below:—

District.	Extensions and Improvements.	Special Repairs.	Total.
	Rs.	Rs.	Rs.
A.—Indus Right Bank Division.			
Shikarpur Canals	.....	1,88,515	1,88,515
Western Nara	983	.....	983
Karachi Canals	15,830	688	16,518
Total ...	16,813	1,89,203	2,06,016
B.—Indus Left Bank Division.			
Fuleli Canals	24,899	960	25,859
C.—Indus River Commission.			
Works under the direct control of the Indus River Commission	49,863	.....	49,863
Grand Total ...	91,575	1,90,163	2,81,738

Maintenance and Repairs.

123. The total expenditure under this head on the several works under the direct control of the Indus River Commission was Rs. 11,853 of which Rs. 2,382 were spent on the River Gauge establishment at Sukkur, Kotri, Jherruck, Khairabad (Punjab) and the Indus Delta.

Total expenditure.

124. The total expenditure accounted for by the Indus River Commission was:—

	Rs.
Works	14,446
Repairs	11,853
Establishment	91,941
Tools and Plant	11,645
Total ...	1,29,885

Snagging operations.

125. The snagging of the Indus and the Eastern Nara was not carried out this year, owing to the S. S. "Fateh Mubarak," which is used for this purpose, being out of repair during the season.

Erosion.

126. Heavy erosion occurred at mile 3/6 of the Kashmor bund and at miles 11/0, 29/0 and 30/4 of the Sukkur Begari bund, the maximum rate of the erosion being 392 feet, 530 feet, 400 feet and 320 feet per week respectively.

Dredger "Mudlark."

127. No clearance work was done this year as the dredger "Mudlark" was transferred to the Military Authorities for use in Mesopotamia.

Sukkur Barrage.

128. The new district (called the Sukkur Barrage Project District) which was sanctioned last year was created and placed in charge of an Executive Engineer for the preparation of revised plans and estimates for the barrage and the two large canals in connection with it, and the conduct of necessary outdoor work.

6.—MISCELLANEOUS.

Plantation.

129. In all the districts in the Right Bank Division, nurseries and gardens were kept in good order and endeavour is being made by Executive Engineers to extend the plantation of trees along canals and bunds.

130. The existing plantations in the Left Bank Division on canals and bunds were well cared for. New trees were planted in all the districts on various canals and bunds and they are all thriving.

Irrigation of cotton crops.

131. No Egyptian cotton was grown in this Division during the year.

132. The following table shows certain details regarding the watering of indigenous cotton crops :—

District.	Lift lands.		Flow lands.		Date of last watering varied from to
	Number of waterings.	Intervals between	Number of waterings.	Intervals between	
Nasrat Canals ...	.....	.....	5 to 8	15 to 20 days	5th to 13th September.
Hyderabad Canals ...	5 to 6	.....	.....	.....	29th to 30th September.
Fuleli Canals ...	5 to 8	10 to 25 days	.. ...	.....	8th to 29th September.
Eastern Nara ...	.....	.....	2 to 3	.....	3rd August to 10th October.
Jamrao Canal ...	4 to 10	.....	3 to 10	... ..	14th October 1916 to 17th February 1917.

III.—DECCAN AND GUJARAT.

1.—NORTHERN DIVISION.

133. No relief was required anywhere. General remark.

(i) FIRST CLASS IRRIGATION WORKS.

134. The rainfall gauged at Ahmedabad and Prantij during 1916-17 was 26·64 and 21·29 inches against an average of 28·77 and 29·93 inches respectively for the last 30 years including the year under report. The rainfall, though not much below normal, was not satisfactory, being local and scattered. The Khari catchment did not get the benefit of much of this. The Hathmati canal and the Khari system.

135. The monsoon broke as usual in the middle of June and more than an inch fell on the 16th and 17th idem. Heavy rain fell on the 23rd July at Ahmedabad which measured 3·21 inches. There were falls of more than an inch twice in August and once in September. Throughout August there was drizzling rain and in September there were drizzles at intervals of a few days measuring a few cents. On the 22nd October there was a little rain which did some good to the standing crops.

136. There were floods in the Hathmati river on the 17th June and 22nd August 1916, when the water rose 1·00 foot and 8·80 feet respectively above the crest of the weir. The Hathmati canal was opened on 17th June and flowed till 13th December 1916 with an interruption of 6 days. It was closed once on the 22nd August to avert damage to the canal gates by floating trees which came down with the heavy flood. Some damage was, however, caused to the concrete bar over the top of the weir and one of the piers of the waste weir, which was promptly repaired. The maximum discharge was 322 cusecs on the 23rd August and the minimum 21 cusecs on the 13th December. The supply available was utilized for irrigating the lands on the canal itself, the surplus water being allowed to run into the Khari river through the Bokh Reservoir (in which it was collected when not required) and the Bhujwa channel, to the extent of 530 and 367 million cubic feet respectively.

137. The Chandola Tank, mainly fed through the Khari Cut Canal, was half filled twice upto R. L. 136·60, storing about 80 million cubic feet which saved the rice crop of 800 to 1,000 acres in the surrounding villages.

138. In order to use the supply available to the best advantage, canal water was issued to the fields nearest to the canal and its branches, and only two waterings were given to save the early transplanted crops, it being almost impossible to save the late transplanted crops since they required not less than three heavy waterings which could not be given. Thus the object of saving the crops over as large an area as possible by economical distribution of water was achieved.

139. The area irrigated and the gross assessed revenue as compared with the average for the triennium ending 1915-16, are as under :—

	1916-17.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Hathmati Canal	785	3,540	4,217	11,402
Khari Cut Canal	5,559	35,850	9,562	63,866

Tanks in Kaira.

140. The area irrigated and the gross assessment on the Wangroli, Tranza-Nagrama, Savli and Saiat Tanks as compared with the average for the triennium ending 1915-16, are shown below :—

Name of Tank.	1916-17.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Wangroli	859	3,133 1,000*	585	2,486
Tranza-Nagrama	Nil	488	58	514
Savli	970	3,675	642	2,432
Saiat	Nil	723	328	1,614

* Proceeds of the sale of water given to the Gomati Tank at Dakor, taluka Thasra.

141. There was no replenishment received in the Tranza-Nagrama and Saiat Tanks. The Wangroli and Savli Tanks only partially filled. The whole supply in the latter tank was utilized in irrigating kharif crops, while surplus water from the former after supplying the requirements of kharif and rabi crops, was run into the Shedi river for filling, by lift, the sacred Gomati Tank at Dakor, in Thasra Taluka, in which there was little or no water for the pilgrims. The construction of the Balada high level canal from the Wangroli Tank which was commenced in 1915-1916 was in progress.

Futelao Tank.

142. The Futelao Tank filled partially and the supply was utilized in irrigating 89 acres of rabi as against 39 acres last year. Irrigation under the tank may be expected to expand as the advantages thereof become known. A portion of the bed was also given out for cultivation.

(ii) Second Class Irrigation Works and Agricultural Works.

Khari Sluices.

143. The rainfall during the year, being local, badly distributed and not sufficiently intense, the Khari flow did not reach Pinglaj and it was necessary to utilize the channels from the Khari Cut Canals to save the rice crop on the Khari Sluices. Though due to the scanty rainfall and absorption on the way, not more than ¼th of the volume let down at the head reached the Khari at Bidaj, Navagam—the most important village—was enabled to transplant about 200 acres and Pinglaj about 100 acres and an area of 1,200 to 1,500 acres of rice was saved by the canal water, mainly from the Hathmati river, the Khari being almost dry. This was possible as connecting channels had lately been constructed. The small tanks did not fill at all during the year, as owing to the light rainfall there was little or no flow off the ground, what little water fell being held up in the fields.

144. The special feature of the year was the heavy flooding of the Sabarmati river which twice overflowed some of the Khari Sluice area and enabled rice to be transplanted in the villages of Naika, Chanindra and Lower Navagam. The Mahijda regulator constructed last year was also used to store the overflow which helped subsequently to save 300 acres of rice in the villages of Mahijda and Wasai.

Muvalia Tank.

145. The Muvalia tank overflowed thrice, once each in August, September and October. On account of the seasonable and well distributed rainfall at Dohad, however, the demand for water for irrigation was limited and 677 acres only were irrigated as against 743 acres cultivated last year.

Old Tanks.

146. Improvements to 98 and repairs to 61 small irrigation tanks in the Gujarat Irrigation District and repairs to 19 such tanks in the Surat and Broach District, were executed at a total cost of Rs. 82,776 and Rs. 42,264 respectively. In the Gujarat Irrigation District, repairs to 6 Talukdari tanks were in progress, the Government share of the expenditure being Rs. 879.

Drainage channels.

147. The drainage channels in the Surat and Broach and Gujarat Irrigation Districts were maintained and the reclamation works in the former repaired.

2.—CENTRAL DIVISION.

148. In the Central Division there are a few irrigation works of importance. The area irrigated on First Class Irrigation Works was 10,138 acres and the gross assessed revenue was Rs. 1,43,918.

149. The rainfall during the year 1916 being seasonable in the irrigated areas in the Central Division, there was less demand for canal water as compared with the average for the past three years.

(i) First Class Irrigation Works.

150. *Ekruk Tank.*—The work of improving the water supply of the town of Sholapur, which is in progress, will, when completed, give a wholesome supply of water to the Sholapur

Municipality direct through the newly laid gravitation mains from the Ekruk Tank, instead of, as heretofore, from the canal, in which the supply is liable to contamination.

151. *The Jamda Canals* in the East Khandesh District form an important irrigation system, the supply in which is not, however, assured for want of a storage tank. Though at present the river discharge is supplemented by a supply from the Chankapur tank, yet this source of supply cannot always be depended on as the tank has to provide water for a large area directly dependent on it. An important work carried out in connection with these canals was the raising the weir, the Jamda bandhara, by a foot, to R. L. 106·50, and making its crest perfectly level, which was not the case formerly. This work has been done in order to increase the discharge, and the velocity in the canals and lessen the deposit of silt.

152. A system of 8 months' Rabi Blocks was introduced on these canals from 15th October 1916 and water applications for an area of 68 acres and 26 gunthas were received. The Kharif and Rabi seasons being, however, very favourable, the irrigators could not appreciate and did not take full advantage of the system, which was explained to them by the local Revenue Officers.

(ii) SECOND CLASS IRRIGATION WORKS.

153. The total expenditure on Extensions and Improvements and Maintenance and Repairs to the bandharas situated in the East Khandesh and West Khandesh Districts was Rs. 5,451. The area irrigated and the gross revenue assessed were 9,485 acres and 77,380 rupees respectively.

3.—DECCAN IRRIGATION DIVISION.

(i) FIRST CLASS IRRIGATION WORKS.

(*a*) *Works in existence.*

Protective Works.

154. The Nira Left bank canal situated in the Poona District is the largest irrigation work in operation in the Deccan. Nira Left bank canal and Shetphal Tank.

155. The canal irrigated a total area of 34,228 acres. This is much below the average figure, the fall being due to seasonable rainfall and consequent low demand for canal water for Monsoon and Rabi crops. The gross revenue from all sources was Rs. 4,46,159.

156. The total area irrigated under the Mhaswad Tank was 4,846 acres and the gross revenue from all sources was Rs. 33,685. These are lower than the average figures, the fall being due to seasonable rainfall. Mhaswad Tank.

Productive Works.

157. The Mutha Canals system irrigated a total area of 10,402 acres, the gross revenue from all sources was Rs. 4,31,946 which includes Rs. 1,69,703 realized from the Poona Water Supply. There was a small decrease in the irrigated area due to seasonable rainfall, but the gross revenue was higher chiefly owing to an increase in the area of sugarcane. Mutha Canals and Matoba Tank.

158. The installation of the Paterson filter plant at the Poona Cantonment Water Works was practically completed. The plant was brought into operation in July 1916 and is working very well. The expenditure incurred on this work during the year under report amounted to Rs. 38,908, bringing the total expenditure to Rs. 1,72,723.

(*b*) *Works under construction.*

159. The Godavari Canals Project comprises the following works:— Godavari Canals.

(1) Lake Beale Storage.

(2) Pick-up-weir at Nandur Madhmeshwar.

(3) The Godavari Right and Left Bank Canals.

This is the first of the new large protective irrigation schemes in the Deccan and has now been practically completed.

160. *Godavari Right Bank Canal.*—The whole length of 70½ miles of this canal and all its distributaries have been completed. The last 8½ miles have been tested and are now ready for irrigation purposes. During the year this canal irrigated a total area of 15,453 acres and the gross revenue from all sources was Rs. 1,50,117.

161. Every effort is being made to make irrigation popular by acquainting the cultivators with the canal rules and the proper system of careful cultivation. The local Godavari Canals Irrigators' Association, mentioned in the last report, held during the year several meetings which were well attended.

162. The progress of sugarcane cultivation was more rapid than anticipated, and is due to the impetus given to the sugarcane industry by experienced Saswad malis from the Poona District.

163. *Godavari Left Bank Canal.*—The construction of the whole length of this canal and its distributaries has been completed. This canal irrigated during the year 3,549 acres and the gross revenue from all sources was Rs. 40,792.

164. The total expenditure incurred on this project during the year was Rs. 1,30,093 as under:—

	Rs.
Lake Beale Storage	7,544
Godavari Right Bank Canal	1,16,860
Godavari Left Bank Canal	5,689
Total ...	1,30,093

Pravara Canals.

165. The Pravara Canals system comprises :—

(1) Lake Arthur Hill Storage.

(2) Pick-up-weir at Ojhar.

(3) The Right and Left Bank Pravara Canals.

During the year the dam was raised throughout to one level, *viz.*, R. L. 2289.

166. The caging work for the lowest sluice at R. L. 2227·63 was completed and the laying of the pair of pipes for the second sluice at R. L. 2277·63 was commenced during the year. The raising of the weir at Ojhar and the construction of the head regulator with the scouring sluices for the Pravara Left Bank Canal were completed during the year.

167. *Pravara Left Bank Canal.*—The work of widening and extending the old canal, started in 1910, was practically completed with the exception of a few masonry works. The construction of distributaries was in progress. The canal was closed during the year.

168. *Pravara Right Bank Canal.*—All the works on this canal, including distributaries, were practically completed. The progress on the construction of the tail branch and Rahuri distributary was rather slow owing to scarcity of labour.

169. Water is at present given for perennial irrigation in fields having wells and the total area irrigated under the canal during the year was 2,278 acres. The gross revenue from all sources was Rs. 10,914. These figures are lower than the average owing to seasonable rainfall.

170. The total expenditure incurred during the year on this scheme was Rs. 8,18,563 as detailed below:—

	Rs.
Lake Arthur Hill Storage	5,13,347
Pravara Right Bank Canal	40,707
Pravara Left Bank Canal	2,64,509
Total ...	8,18,563

Nira Right bank canal.

171. This project comprises the following works:—

(1) Building a new dam at Bhatghar.

(2) Increasing the capacity of the existing Nira Left Bank Canal.

(3) Constructing a canal on the right bank from Vir up to Piliv for a length of about 88 miles.

172. *Bhatghar Dam.*—The excavation for foundation of the new dam was completed with the exception of a short length of 400 feet. The total excavation done during the year was 1·76 million cubic feet. The foundation has been practically covered throughout and masonry raised several feet. The total quantity of masonry laid during the year was 1·27 million cubic feet.

173. The progress during the year was not satisfactory owing to (*a*) labour difficulties caused by a good agricultural season, (*b*) the outbreak of plague in the neighbourhood of Bhatghar and at the Lime Depôts at various places, and (*c*) the excessive amount of water met with in the foundations owing to heavy percolation from the upstream side of the cutting and the late rains, which continued till the end of November.

174. The erection of the turbine pipe and of the Power House Machinery was completed and the Electric plant worked very satisfactorily.

175. *Right Bank Canal.*—The canal was originally designed to discharge 1,500 cusecs with 8 feet of water at its head and to be 109 miles in length. But in the revised project the portion below mile 88 has been omitted, as the supply after the construction of the new Bhatghar dam is likely to be fully utilized above that point.

176. Considering the labour difficulties due to a severe plague epidemic, the progress on earthwork and masonry works was fairly steady and good.

177. A detailed contour survey of the area under command of the canal for distributaries was in progress.

178. The total outlay during the year under report was Rs. 14,04,705 as detailed below :—

	Rs.
Lake Whiting District	6,90,033
Lonand District	3,68,532
Malsiras District	3,46,140
Total ...	14,04,705

Girna River Works.

179. The river supply was sufficient for the requirements of the Girna Canal upto 18th January 1917, after which water was let out of the Chankapur tank. The tank water not required for the canal was let down to supplement the supply to the Jamda Canals in the East Khandesh District.

180. *Girna Left Bank Canal.*—This canal irrigated during the year a total area of 1,837 acres and the gross revenue from all sources was Rs. 8,393. The cultivators under this canal have begun to realise the advantages of sugarcane cultivation and it is expected that the area of sugarcane will go up quickly. The extension of the canal was in progress, the expenditure incurred on it during the year being Rs. 13,874.

181. Under the orders of the Government of India water was supplied to the wheat crop, free of charge, during the rabi season of 1916-17 in the Deccan Irrigation Division. The area of wheat actually cultivated and the consequent loss of revenue due to Government amounted respectively to 11,052 acres and Rs. 53,346 as detailed below :—

Name of work.	Area of wheat actually cultivated.	Loss of Revenue.
	Acres.	Rs.
Nira Canal and Shetphal Tank	1,431	7,305
Godavari Right and Left Bank Canals ...	6,352	31,760
Pravara Right Bank Canal	244	732
Girna Left Bank Canal	880	4,385
Mhaswad Tank	624	2,494
Mutha Canals and Matoba Tank	540	2,665
Kadwa River Works	562	2,460
Lakh Canal	125	250
Parsul Tank	127	637
Kasurdi Tank	23	100
Shirsuphal Tank	100	334
Bhadalwadi Tank	44	224
Total ...	11,052	53,346

(ii) Second Class Irrigation Works.

182. The outlay on repairs, extensions and improvements to the bandharas and small village channels during the year was Rs. 28,328 as against Rs. 13,935 for the previous year.

4.—SOUTHERN DIVISION.

183. This year there was a decrease in the area of irrigation in the Southern Division owing to timely and sufficient rainfall. The total area irrigated and the assessed revenue showed a decrease of 23 per cent. and 6 per cent. respectively when compared with the average of the previous three years.

The Major and Minor Works of the first class irrigated about 24,000 acres of land while the numerous second class works in this division irrigated over 80,000 acres.

(i) First Class Irrigation Works.

Krishna Canal.

184. The only Major Irrigation work in this Division is a small weir and canal system on the Krishna river near Karád, south of Sátára. Certain improvements to the weir, undertaken with a view to enable an extra 4 feet depth of water to be stored, were in progress. The total expenditure on these improvements to end of the year under report was Rs. 59,086 against the estimated cost of Rs. 85,226.

Gokak Canal.

185. The most important of the First Class Minor Works in the Division is the Gokak Canal. This irrigation system consists of a masonry weir across the Ghataprabha river in the Belgaum District and a short length of canal taking off from the reservoir formed by the weir.

186. With a view to increase the water stored by the weir, its crest (2,985 feet in length) was raised by constructing a temporary wall 2 feet high, as usual, at a cost of Rs. 1,546. The additional storage thus obtained proved very useful.

187. At the request of the Manager of the Spinning Mills at Gokak, the daily supply of water was reduced to 130 cusecs instead of the usual 146 cusecs, during the 4¼ months period ending 24th May 1916.

188. On the evening of the 13th May 1916, the water in the reservoir reached its lowest level standing at 17 feet above the sill of the sluices. Thereafter the reservoir

filled till it overflowed on the 28th May 1916 and reached a maximum flood height on the 4th August 1916, when the water reached a level of 3·34 feet above the crest of the weir.

189. During the year under report, Rs. 31 only were paid on account of compensation for the lands taken up in 1906 for the Gokak Canal extension.

Revari and Chikhli Canals.

190. The only other two works taking off direct from rivers without storage are both in the Sátára District, the Revari and Chikhli canals, irrigating about 900 and 200 acres, respectively. The former yielded, in the year under report, a gross revenue of Rs. 5,600 and the latter Rs. 2,100.

Dharma Canal.

191. Certain improvements to the Dharma Canal which were commenced in 1910, were in progress during the year. This consisted mainly of (1) providing a new Head Regulator to admit sufficient supply to the canal and to control floods, (2) providing escapes and aqueducts at certain places in the first 10 miles of the canal, (3) putting the tail portion of the canal into good order, and (4) constructing suitable cross drainage works. The total expenditure on these improvements to the end of the year under report was Rs. 85,537 against the estimated cost of Rs. 95,582 (direct charges).

Yerla River Irrigation Works.

192. Of canals furnished with storage works, the three most important are in the Sátára District. The Yerla river irrigation works irrigated over 2,400 acres of land yielding a gross revenue of over Rs. 12,500.

Maini tank.

193. The Maini tank is the second system. It irrigated 1,500 acres with a gross revenue of over Rs. 6,400.

Upper Mán River Works.

194. The third system referred to is the Upper Mán river works with the Pingli tank as storage. This irrigated about 700 acres yielding a gross revenue of Rs. 3,300.

Other Works.

195. The remaining works are all small tanks mostly in the Dhárwár Irrigation District. They irrigated from 50 to 600 acres each.

(ii) Second Class Irrigation Works.

196. Most of the Second Class Irrigation Works are in the Dhárwár District and on them depends the success of the important rice cultivation in the hills. During the year, repairs to 71 tanks were carried out and the expenditure on them amounted to Rs. 32,000, the average of the previous three years being Rs. 54,200.

5.—SCIENTIFIC WORKS.

Engineering questions that have arisen.

197. Experimental iron boxes to ascertain the loss by evaporation of water in tanks have been installed in the Ekruk, Ashti and Pathri Tanks in the Sholápur District, the Mhaswa and Hartala in the East Khandesh and the Bhatodi Tank in the Ahmednagar District. The results of observations are being recorded; these will furnish useful data in the preparation of projects for tanks to be constructed under similar conditions.

198. The raising of the crest to one uniform level of the weir at Jamda and the institution of a new river gauge at Raipur 2 miles below it will enable some interesting comparisons to be made between the river discharges as gauged at the two places.

199. An experimental device for locking pipe outlets is under trial on the Bhatodi Tank in the Ahmednagar District, the use of which could, if found satisfactory, be extended.

200. During the year under review the formation of a special Irrigation District was sanctioned by the Government of India for carrying out certain investigations and surveys, etc., as detailed below, in connection with the areas under command of the important Irrigation systems in the Deccan, viz., the Nira Canals, the Pravara Canals, the Godavari Canals and the Mutha Canals :—

(*a*) Contouring the commanded area.

(*b*) Making a careful survey and classification of the surface soil and subsoil.

(*c*) Selecting and marking out definite areas suitable for 'blocks' for perennial and other crops.

(*d*) Designing the drainage required.

(*e*) Indicating suitable lines of communication and centres for the establishment of grinding, crushing, refining and other machinery for trade purposes.

(*f*) Making a special study of the reclamation of waste lands and areas damaged by water logging and salt efflorescence and of the problem of the growth of useful timber in such tracts and along the main canals.

The work done during the year by the Special Engineer appointed for the purpose was only preliminary and experimental.

(a) River Gauging.

201. The gauging of 36 rivers in the Deccan and Gujarát was continued during the year under report directly under the control of the Deccan Irrigation Division.

202. A training class was opened in Poona where practical instructions were given to the old as well as the new gauge karkuns before they commenced the annual gauging operations. This, combined with the frequent surprise visits paid to them, the timely

inspection of and repairs to the gauges, etc., helped to make the results more reliable. These figures are published in an annual report.

203. The several rain gauges in the Belgaum and Sátára Districts were maintained during the year by the respective Executive Engineers.

(b) Experiments on the efficiency of canals.

204. Another annual publication gives a record of observations for the flow and losses in canal, the quantity of water used for irrigation and the loss from tanks.

205. Occasional notes are written upon the saturation of earthen dams and the rate of deposit of silt in tank basins for which observations are being made continuously.

ADMINISTRATIVE ACCOUNTS

PUBLIC WORKS DEPARTMENT

(IRRIGATION)

BOMBAY PRESIDENCY

FOR THE YEAR

1916-17

LIBRARY
OF THE
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IRRIGATION BRANCH.

PUBLIC WORKS ADMINISTRATIVE ACCOUNTS,

No. I.—*General Abstract of Financial Results showing the estimated Cost of Construction of Major and the Simple Interest on the*

MAJOR

Name of Work.	Estimated Cost of Construction.			Capital Outlay.						Receipts
				During 1916-1917.			To end of 1916-1917.			
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.
1	2	3	4	5	6	7	8	9	10	11
35.—PROTECTIVE IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Deccan and Gujarát.										
Works in Operation.										
Pravara River Canal ...	71,54,934	4,55,892	76,10,826	8,08,545	26,422	8,34,967	65,43,657	2,10,801	67,54,458	15,827
Chankápur Tank	18,88,840	64,232	19,53,072	16,974	405	17,379	18,41,062	61,127	19,02,189	12,627
Godáveri Canal	93,55,562	4,80,689	98,36,251	1,65,480	7,166	1,72,646	95,21,042	4,87,855	1,00,08,897	2,17,795
Nira Canal and Shetphal Tank	60,96,736	3,64,335	64,61,071	...	...	...	60,96,736	3,64,335	64,61,071	4,95,014
Mhasvad Tank	20,05,553	90,463	20,96,016	...	...	...	20,05,553	90,463	20,96,016	42,877
Gokák Canal, First Section ...	4,00,939	11,727	4,12,666	...	...	...	4,00,939	11,727	4,12,666	...
Total, Works in Operation...	2,69,02,564	14,67,338	2,83,69,902	9,90,999	33,993	10,24,992	2,64,08,989	12,26,308	2,76,35,297	7,84,140
Works under Construction.										
Máládevi Tank	3,04,671	9,903	3,14,574	...	...	...	3,02,040	9,888	3,11,928	...
Budhihal do.	13,98,529	56,082	14,54,611	138	9	147	4,91,036	18,277	5,09,313	...
Nira Right Bank Canal ...	2,49,71,868	8,00,631	2,57,72,499	14,54,605	30,785	14,85,390	1,07,39,412	2,36,633	1,09,76,045	...
Total ...	2,66,75,068	8,66,616	2,75,41,684	14,54,743	30,794	14,85,537	1,15,32,488	2,64,798	1,17,97,286	...
Total, Protective Irrigation Works	5,35,77,632	23,33,954	5,59,11,586	24,45,742	64,787	25,10,529	3,79,41,477	14,91,106	3,94,32,583	7,84,140
49.—IRRIGATION WORKS.										
Sind.										
Works in Operation.										
Desert Canal	26,40,891	79,665	27,20,556	...	...	...	26,40,891	79,665	27,20,556	1,13,838
Unharwáh	7,68,050	20,780	7,88,830	...	...	...	7,68,050	20,780	7,88,830	1,428
Begari Canal	24,69,981	64,606	25,34,587	241	13	254	23,72,384	78,557	24,50,941	42,825
Mahiwah	14,45,248	72,108	15,17,356	2,685	16	2,701	13,81,060	58,808	14,39,868	3,114
Eastern Nára Works ...	67,75,168	2,35,244	70,10,412	13,551	834	14,385	67,79,815	2,35,105	70,14,920	18,325
Jámráo Canal	86,82,761	2,73,769	89,56,530	2,14,233	5,487	2,19,720	85,84,355	2,56,720	88,41,075	45,095
Dád. do.	25,68,999	98,077	26,67,076	15,441	607	16,048	25,76,626	93,769	26,70,395	1,130
Nasrat do.	18,11,482	58,226	18,69,708	—8 662	591	—8,071	18,11,482	58,226	18,69,708	2,323
Total, Works in Operation...	2,71,62,580	9,02,475	2,80,65,055	2,37,489	7,548	2,45,037	2,69,14,663	8,81,630	2,77,96,293	2,28,078
Works under Construction.										
Naulákhi Canal	12,17,935	44,619	12,62,554	...	...	...	5,112	33	5,145	...
Sukkur Barrage Works ...	...	...	...	...	...	...	—284	...	—284	...
Total, Sind ...	2,83,80,515	9,47,094	2,93,27,609	2,37,489	7,548	2,45,037	2,69,19,491	8,81,663	2,78,01,154	2,28,078
Deccan and Gujarát.										
Works in Operation.										
Háthmati Canal and Khari Cut Canal	12,40,983	74,990	13,15,973	...	...	...	12,40,983	74,990	13,15,973	34,539
Lower Pánjhra River Works.	4,45,382	23,239	4,68,621	...	...	...	4,45,382	23,239	4,68,621	14,702
Kádva River Works... ...	9,71,741	62,450	10,34,191	...	...	...	9,71,741	62,450	10,34,191	30,924
Pravara River Works— Lákh Canal	3,52,446	19,445	3,71,891	...	...	...	3,52,446	19,445	3,71,891	1,683
Mutha Canals and Mátoba Tank	75,71,836	2,97,853	78,69,689	33,903	1,171	35,074	76,18,735	3,01,502	79,20,237	4,27,393
Ekrúk Tank	12,28,117	1,12,269	13,40,386	...	...	...	12,28,117	1,12,269	13,40,386	73,580
Krishna Canal	8,95,262	51,507	9,46,769	1,919	47	1,966	8,92,960	51,482	9,44,442	89,122
Total, Deccan and Gujarát...	1,27,05,767	6,41,753	1,33,47,520	35,822	1,218	37,040	1,27,50,364	6,45,377	1,33,95,741	6,71,943
Total, 49.—Irrigation Works	4,10,86,282	15,88,847	4,26,75,129	2,73,311	8,766	2,82,077	3,96,69,855	15,27,040	4,11,96,895	9,00,021
Grand Total ...	9,46,63,914	39,22,801	9,85,86,715	27,19,053	73,553	27,92,606	7,76,11,332	30,18,146	8,06,29,478	16,84,161

Note.—Direct charges under Working Expenses include share of collection charges in the Civil Department calculated

Bombay, 22nd October 1917.

BOMBAY PRESIDENCY.

DEPARTMENT.

FOR THE YEAR 1916-1917.

Works, the Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, Direct Capital Outlay on those Works.

WORKS.

DURING 1916-1917.		WORKING EXPENSES DURING 1916-1917.			NET RESULT, EXCLUDING INTEREST (DIFFERENCE BETWEEN REVENUE AND WORKING EXPENSES).				Simple Interest during 1916-17.	NET RESULT, INCLUDING INTEREST.			
							Rate per cent.					Rate per cent.	
Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.		Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.
12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.	Rs.		
...	15,827	19,081	864	19,945	...	4,118	...	0·06	2,02,379	...	2,06,497	...	3·06
...	12,627	16,270	956	17,226	...	4,599	...	0·24	60,409	...	65,008	...	3·41
...	2,17,795	1,24,194	5,744	1,29,938	87,857	...	0·88	...	3,11,124	...	2,23,267	...	2·23
...	4,95,014	1,47,237	7,766	1,55,003	3,40,011	...	5·26	...	2,00,973	1,39,038	...	2·15	...
...	42,877	16,038	1,105	17,143	25,734	...	1·23	...	66,111	...	40,377	...	1·03
...	...	...	...	...	...	...	...	...	13,217	...	13,217	...	3·20
...	7,84,140	3,22,820	16435	3,39,255	4,44,885	...	1·61	...	8,54,213	...	4,09,328	...	1·48
...	...	...	...	...	...	...	...	...	9,956	...	9,956	...	3·19
...	...	...	...	...	...	...	...	...	16,184	...	16,184	...	3·18
...	...	...	...	...	...	...	...	...	3,30,039	...	3,30,039	...	3·01
...	...	...	...	...	...	...	...	...	3,56,179	...	3,56,179	...	3·02
...	7,84,140	3,22,820	16,435	3,39,255	4,44,885	...	1·13	...	12,10,392	...	7,65,507	...	1·94
3,66,483	4,80 321	1,20,188	4,577	1,24,765	3,55,556	...	13·07	...	87,054	2,68,502	...	9·87	...
1,86,502	1,87,930	61,162	1,887	63,049	1,24,881	...	15·83	...	25,318	99,563	...	12·62	...
6,57,835	7,00,660	1,62,157	4,901	1,67,058	5,33,602	...	21·77	...	78,199	4,55,403	...	18·58	...
75,497	78,611	68,637	311	68,948	9,663	...	0·67	...	45,481	...	35,818	...	2·49
6,60,734	6,79,059	2,25,292	8,296	2,33,588	4,45,471	...	6·35	...	2,23,267	2,22,204	...	3·17	...
7,53,009	7,98,104	3,45,445	19,186	3,64,631	4,33,473	...	4·90	...	2,79,444	1,54,029	...	1·74	...
2,09,575	2,10,705	88,806	2,788	91,594	1,19,111	...	4·46	...	84,681	34,430	...	1·29	...
2,15,233	2,17,556	1,29,613	4,145	1,33,758	83,798	...	4·48	...	59,856	23,942	...	1·28	...
31,24,868	33,52,946	12,01,300	46,091	12,47,391	21,05,555	...	7·57	...	8,83,300	12,22,255	...	4·40	...
...	...	...	...	...	...	...	...	...	169	...	169	...	3·28
...	...	...	...	...	...	...	...	...	—9	...	—9	...	...
31,24,868	33,52,946	12,01,300	46,091	12,47,391	21,05,555	...	7·57	...	8,83,460	12,22,095	...	4·40	...
...	34,539	37,275	1,411	38,686	...	4,147	...	0·32	40,908	...	45,055	...	3·42
3,245	17,947	6,918	269	7,187	10,760	...	2·30	...	14,681	...	3,921	...	0·84
594	31,518	15,161	863	16,024	15,494	...	1·50	...	32,032	...	16,538	...	1·60
225	1,908	2,380	130	2,510	...	602	...	0·16	11,618	...	12,220	...	3·29
...	4,27,393	1,68,135	7,718	1,75,853	2,51,540	...	3·18	...	2,50,585	955	...	0·01	...
...	73,580	11,879	602	12,481	61,099	...	4·56	...	40,484	20,615	...	1·54	...
...	89,122	15,652	448	16,100	73,022	...	7·73	...	29,404	43,618	...	4·62	...
4,064	6,76,007	2,57,400	11,441	2,68,841	4,07,166	...	3·04	...	4,19,712	...	12,546	...	0·09
31,28,932	40,28,953	14,58,700	57,532	15,16,232	25,12,721	...	6·10	...	13,03,172	12,09,549	...	2·93	...
31,28,932	48,13,093	17,81,520	73,967	18,55,487	29,57,606	...	3·67	...	25,13,564	4,44,042	...	0·55	...

at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

W. ALDER,
Accountant General

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

No. 1.—*General Abstract of Financial Results showing the estimated Cost of Construction of Minor Works, and Navigation, the Capital Outlay thereon, the Revenue derived therefrom, and the Working Expenses on those Works.*

Name of Project.	Estimated Cost of Construction.			Capital Outlay.						Receipts during 1916-1917.			Working Expenses.			Net Result, excluding Interest (Difference between Revenue and Working Expenses).			
				During 1916-1917.			To end of 1916-1917.											Rate per cent.	
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.	Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43.—Minor Works and Navigation.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Works for which Capital and Revenue Accounts are kept.																			
Sind.																			
Works in Operation.																			
Sukkur Canal	13,64,754	61,496	14,26,250	...	...	...	13,64,754	61,496	14,26,250	3,474	2,19,432	2,22,906	67,223	1,391	68,614	1,54,292	...	10·82	...
Ghár do.	5,48,405	30,854	5,79,259	...	...	...	5,48,405	30,854	5,79,259	7,193	8,36,971	8,44,164	2,30,272	5,711	2,35,983	6,08,181	...	104·99	...
Suttah Canal	1,74,028	6,051	1,80,079	...	...	...	1,74,028	6,051	1,80,079	151	5,269	5,420	7,770	319	8,089	...	2,669	...	1·48
Alibhar Kacheri Canal ...	23,207	710	23,917	...	...	...	23,207	710	23,917	501	15,490	15,991	—1,440	23	—1,417	17,408	...	72·79	...
Márak Great Canal	2,07,436	8,310	2,15,746	...	...	...	2,07,436	8,310	2,15,746	3,585	1,37,465	1,41,050	28,007	1,126	29,133	1,11,917	...	51·87	...
Surfrázwáh	1,18,559	6,121	1,24,680	...	...	...	1,18,559	6,121	1,24,680	1,940	43,891	45,831	14,068	705	14,773	31,058	...	24·91	...
Fuleli Canal	19,71,883	73,202	20,45,085	11,039	271	11,340	19,24,515	71,486	19,96,001	57,648	8,01,934	8,59,582	2,37,991	7,291	2,45,282	6,14,300	...	30·78	...
Hasanali Canal	2,89,929	14,876	3,04,805	...	...	...	2,89,929	14,876	3,04,805	486	48,441	48,927	21,382	624	22,006	26,921	...	8·83	...
Total, Sind ...	46,93,201	2,01,620	48,99,821	11,069	271	11,340	46,50,833	1,99,904	48,50,737	74,978	21,08,893	21,83,871	6,05,273	17,190	6,22,463	15,61,408	...	32·19	...
Deccan and Gujará't.																			
Works in Operation.																			
Wangroli Tank	2,39,471	50,875	2,90,346	2,590	44	2,634	2,38,960	50,105	2,89,065	2,789	1,767	4,556	7,720	295	8,015	...	3,459	...	1·20
Tranza Nagrama Tank ...	2,38,032	42,603	8,80,635	...	...	...	2,38,032	42,603	2,80,635	487	60	547	2,751	109	2,860	...	2,313	...	0·82
Sávli Tank	2,34,179	21,031	2,55,210	...	...	...	2,34,179	21,031	2,55,210	2,784	...	2,784	7,701	300	8,001	...	5,217	...	2·04
Sabiat Tank	1,58,452	25,577	1,84 029	...	...	...	1,58,452	25,577	1,84,029	1,187	...	1,187	7,025	279	7,304	...	6,117	...	3·32
Futelao Tank	1,07,356	9,105	1,16,461	1,000	6,704	7,704	1,07,356	9,105	1,16,461	153	...	153	1,722	68	1,790	...	1,637	...	1·41
Hartála Tank	47,948	25,434	73,382	...	...	...	47,948	25,434	73,382	691	...	691	1,128	43	1,171	...	480	...	0·65
Mhasva Tank	1,28,781	10,175	1,38,956	...	...	...	1,28,781	10,175	1,38,956	3,099	...	3,099	2,363	102	2,465	634	...	0·46	...
Jámda Canals	9,91,178	49,911	10,41,089	...	...	...	9,91,178	49,911	10,41,089	11,886	...	11,886	13,287	682	13,969	...	2,083	...	0·20
Parsul Tank	2,11,995	6,951	2,18,946	...	...	...	2,08,007	6,988	2,14,995	6,158	...	6,158	4,658	282	4,934	1,224	...	0·57	...

Pravara Left Bank Canal ...	3,24,317	23,233	3,47,550	...	...	...	3,24,317	23,233	3,47,550	6,086	76	6,162	6,590	267	6,857	...	695	...	0·20
Bhátodi Tank	3,52,685	27,022	3,79,707	...	...	...	3,52,685	27,022	3,79,707	6,018	2,206	8,224	3,550	108	3,658	4,566	...	1·20	...
Kásurdi do.	40,812	4,778	45,590	...	...	...	40,812	4,778	45,590	554	...	554	597	28	625	...	71	...	0·16
Shirsuphal do.	2,12,199	12,369	2,24,568	...	...	...	2,12,199	12,369	2,24,568	4,904	...	4,904	2,455	127	2,582	2,322	...	1·03	...
Bhádalvádi do.	2,13,115	14,307	2,27,422	...	...	...	2,13,115	14,307	2,27,422	4,668	...	4,668	2,526	131	2,657	2,011	...	0·88	...
Koregaon do.	37,923	1,266	39,189	...	...	...	37,923	1,266	39,189	3,162	...	3,162	883	39	922	2,240	...	5·72	...
Ashti do.	7,57,050	79,041	8,36,091	...	...	...	7,57,050	79,041	8,36,091	18,114	...	18,114	5,680	193	5,873	12,241	...	1·46	...
Páthri do.	6,27,825	15,021	6,42,846	...	...	...	6,27,825	15,021	6,42,846	5,731	...	5,731	1,920	82	2,002	3,729	...	0·58	...
Revári Canal	56,771	3,040	59,811	...	...	...	56,771	3,040	59,811	7,243	...	7,243	1,793	69	1,862	5,381	...	8·99	...
Upper Mán River Works ...	4,15,835	23,451	4,39,286	...	...	...	4,15,835	23,451	4,39,286	5,384	...	5,384	2,943	124	3,067	2,317	...	0·53	...
Yerla River Irrigation Works	7,27,683	44,131	7,71,814	...	...	...	7,19,542	45,328	7,64,870	18,464	...	18,464	7,158	268	7,426	11,038	...	1·44	...
Chikhli Canal...	53,803	3,639	57,442	...	...	...	53,803	3,639	57,442	3,928	...	3,928	770	26	796	3,132	...	5·45	...
Maini Tank	4,62,125	25,525	4,87,650	...	...	...	4,62,125	25,525	4,87,650	8,276	...	8,276	3,031	132	3,163	5,113	...	1·05	...
Muchkundi Tank	1,40,217	18,490	1,58,707	...	...	...	1,40,217	18,490	1,58,707	171	...	171	138	5	143	28	...	0·02	...
Gadikeri do.	16,363	555	16,918	...	...	...	16,363	555	16,918	...	2,061	2,061	336	3	339	1,722	...	10·18	...
Gokák Canal, First Section, and Storage Works ...	9,00,811	68,445	9,69,256	...	...	...	9,00,811	68,445	9,69,256	43,160	...	43,160	10,674	512	11,186	31,974	...	*3·30	...
Dambal Tank	60,847	3,133	63,980	...	...	...	60,847	3,133	63,980	1,015	916	1,931	1,177	96	1,273	658	...	1·03	...
Medleri do.	78,354	3,038	81,392	...	...	...	78,354	3,038	81,392	771	...	771	790	73	863	...	92	...	0·11
Madag do.	1,61,248	6,350	1,67,598	...	...	...	1,61,248	6,350	1,67,598	1,752	...	1,752	1,730	144	1,874	...	122	...	0·07
Asundi do.	60,741	14,254	74,995	...	...	...	60,741	14,254	74,995	1,155	687	1,842	1,044	88	1,132	710	...	0·95	...
Mávinkop do.	30,185	3,319	33,504	...	...	...	30,185	3,319	33,504	...	2,244	2,244	2,028	142	2,170	74	...	0·22	...
Dharma Canal	95,582	2,752	98,334	2,504	61	2,565	85,536	2,103	87,639	2,431	—4,961	—2,530	959	199	1,158	...	3,688	...	4·21
Total, Works in Operation...	81,83,883	6,38,821	88,22,704	6,094	6,809	12,903	81,61,197	6,38,636	87,99,833	1,72,221	5,056	1,77,277	1,07,121	5,016	1,12,137	65,140	...	0·74	...
Works under Construction.																			
Victoria Tank	4,37,530	23,473	4,61,003	—102	1	—101	54,565	3,790	58,355	...	...	...	...	...	...	...	...	...	...
Suki River	...	...	...	...	...	...	15,139	385	15,524	...	...	...	...	...	...	...	...	...	...
Total ...	4,37,530	23,473	4,61,003	—102	1	—101	69,704	4,175	73,879	...	...	...	...	...	...	...	...	...	...
Works in Abeyance.																			
Gokák Canal, Second Section.	1,78,001	13,994	1,91,995	...	...	...	1,76,306	13,978	1,90,284	...	...	...	...	...	...	...	...	...	...
Total, Deccan and Gujarát...	87,99,414	6,76,288	94,75,702	5,992	6,810	12,802	84,07,207	6,56,789	90,63,996	1,72,221	5,056	1,77,277	1,07,121	5,016	1,12,137	65,140	...	0·72	...
Grand Total—Works for which Capital and Revenue Accounts are kept ...	1,34,97,615	8,77,908	1,43,75,523	17,061	7,081	24,142	1,30,58,040	8,56,693	1,39,14,733	2,47,199	21,13,949	23,61,148	7,12,394	22,206	7,34,600	16,26,548	...	11·69	...
Works for which only Revenue Accounts are kept.																			
Sind	...	...	...	...	...	...	...	...	...	60,672	28,36,078	28,96,750	9,48,886	...	9,48,886	19,47,864	...	...	...

NOTE.—(1) Direct Charges under Working Expenses include share of collection charges in the Civil Department calculated at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

* The rate per cent. on the total cost (Rs. 13,81,922) of the Project comes to 2·31.

Bombay, 22nd October 1917.

W. ALDER,
Accountant General.

IRRIGATION BRANCH BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	1,808	65	1,873	4,612	.....
B. Land	52,456	100	52,556	93,250	.....
C. Works	20,18,927	5,11,450	25,30,377	28,32,892	.....
K. Buildings	38,639	865	39,504	42,466	.....
O. Miscellaneous	27,903	1,158	29,061	28,328	.....
P. Maintenance	25,925	6,104	32,029	36,338	.....
Total, Head Works ...	21,65,658	5,19,742	26,85,400	30,37,886	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	9,562	599	10,161	9,358	.....
B. Land	57,633	3,741	61,374	67,891	.....
D. Regulators	22,613	16,155	38,768	36,232	.....
E. Falls and Weirs	12,610	1,741	14,351	18,471	.....
F. River and Hill torrent works ...	4,05,883	44,326	4,50,209	4,67,130	.....
G. Bridges	63,636	33,967	97,603	99,466	.....
H. Escapes	3,722	9,084	12,806	6,150	.....
K. Buildings	1,02,292	13,676	1,15,968	94,382	.....
L. Earth-work	13,49,597	96,493	14,46,090	11,95,768	.....
M. Plantations	30,638	8,539	39,177	50,306	.....
O. Miscellaneous	2,166	601	2,767	2,669	.....
P. Maintenance	20,957	2,603	23,560	23,331	.....
Total, Main Canals and Branches ...	20,81,309	2,31,525	23,12,834	20,71,154	.....
Carried over ...	42,46,967	7,51,267	49,98,234	51,09,040	.....

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-17.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	42,46,967	7,51,267	49,98,234	51,09,040	.....
WORKS—*continued.*					
(3)—*Distributaries.*					
A. Preliminary Expenses ...	9,857	996	10,853	2,582	.....
B. Land	33,526	3,472	36,998	.....	.....
C. Works	77,205	14,358	91,563	2,77,177	.....
L. Earth-work	3,817	4,534	8,351	11,847	.....
O. Miscellaneous	1,02,742	43,427	1,46,169	3,36,783	.....
Total, Distributaries ...	2,27,147	66,787	2,93,934	6,28,389	.....
Total, I.—Works ...	44,74,114	8,18,054	52,92,168	57,37,429	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	1,79,066	22,849	2,01,915	12,53,095	.....
3. Executive	7,43,494	1,41,428	8,84,922		
Total, II.—Establishment ...	9,22,560	1,64,277	10,86,837	12,53,095	.....
III.—TOOLS AND PLANT	3,42,558	—1,72,464	1,70,094	1,64,410	.....
IV.—Suspense Accounts	—154	...	—154	.....	.....
Grand Total ...	57,39,078	8,09,867	65,48,945	71,54,934	.....
V.—*Less*—Receipts on Capital Account.	3,966	1,322	5,288	.....	.....
Net Outlay ...	57,35,112	8,08,545	65,43,657	71,54,934	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	51,98,621	8,08,545	60,07,166	71,54,934	.....
Chargeable to 43.—Minor Works and Navigation	22,623	...	22,623		
Chargeable to 33.— Famine Relief ...	5,13,868	...	5,13,868		
Total ...	57,35 112	8,08,545	65,43,657	71,54,934	.....

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

Pravara River Canals.

Canal Project.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—Direct Receipts.				I.—Extensions and Improvements.			
1. Water-rates from Irrigation ...	63,798	15,078	78,876	2. Main Canals and Branches ...	176	...	176
3. Sales of water ...	84	...	84	II.—Maintenance and Repairs.			
5. Plantations.	868	338	1,206	2. Main Canals and Branches ...	35,606	11,098	46,704
6. Other canal produce	277	...	277	3. Distributaries ...	1,222	490	1,712
9. Rents of Buildings.	158	338	496	Total ...	36,828	11,588	48,416
10. Fines	121	35	156	IV.—Establishment.			
11. Miscellaneous Receipts	1,622	38	1,660	1 & 2. Direction and Accounts ...	1,638	497	2,135
				3. Executive	15,681	5,676	21,357
Total ...	66,928	15,827	82,755	Total ...	17,319	6,173	23,492
				V.—Tools and Plant ...	526	166	692
II.—Indirect Receipts.				VI.—Refunds of Revenue ...	60	402	462
				Total ...	54,909	18,329	73,238
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Share of Collection Charges in the Civil Department	3,196	752	3,948
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,425	864	3,289
Total, Receipts ...	66,928	15,827	82,755	Total, Charges ...	60,530	19,945	80,475
				Balance Net Revenue ...	6,398	—4,118	2,280
Grand Total ...	66,928	15,827	82,755	Grand Total ...	66,928	15,827	82,755

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

Pravara River Canals.

Canal Project.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	6,07,768	Net Revenue realized to end of 1915-1916 ...	6,398
Interest charges for the year 1916-1917 ...	2,02,379	Do. during 1916-1917 ...	—4,118
			2,280
		Balance net Interest charges	8,07,867
Total ...	8,10,147	Total ...	8,10,147

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	55,221	3,423	58,644
2. Leave and Pension Allowances	1,29,158	22,999	1,52,157
Total ...	1,84,379	26,422	2,10,801
REVENUE—			
2. Leave and Pension Allowances	2,425	864	3,289

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against Construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	52,92,168	57,37,429	4,45,261	52,92,168	Total estimate for the Pravara River Canal Project sanctioned by the Secretary of State's Despatch No. 38-P.W. of 9th August 1907, *vide* Government of India's No. 1631-I of 23rd September 1907, communicated in Government Resolution No. 2557 of 2nd October 1907, Rs. 86,44,841. *Deduct.*—Estimate of the undermentioned works, as their separate accounts have been prepared as one account for the whole project has been kept in abeyance pending the new project is completed sufficiently to give water to the other canals, *vide* Government of India's No. 1951-I. of 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908 :— Máládevi Tank ... Rs. 3,14,574; Ojhar Canal ... 3,47,550; Lákh Canal ... 3,71,891; Rs. 10,34,015. Net amount shown in this account ... 76,10,826. *Note.*—From the sanctioned provision of works Rs. 7,419 have been transferred to that of Tools and Plant as per Government Resolution No. 3047, dated 18th March 1913.
Establishment ...	...	...	...	10,86,837	12,53,095	1,66,258	10,86,837	
Tools and Plant ...	...	...	...	1,70,094	1,64,410	−5,68	1,70,094	
Suspense Accounts.	...	...	...	−154	...	154	−154	
Total ...	...	...	...	65,48,945	71,54,934	6,05,989	65,48,945	
Less—Receipts on Capital Account.	...	...	...	5,288	...	−5,288	5,288	
Net Total ...	...	...	...	65,43,657	71,54,934	6,11,277	65,43,657	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	...	...	...	58,644	2,80,459	2,21,815	58,644	
Leave and Pension Allowances ...	...	...	...	1,52,157	1,75,433	23,276	1,52,157	
Total ...	...	...	...	2,10,801	4,55,892	2,45,091	2,10,801	
Grand Total ...	...	...	...	67,54,458	76,10,826	8,56,368	67,54,458	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses	7,678	...	7,678	7,678	7,678
B. Land	19,056	...	19,056	19,056	19,056
C. Masonry Works	8,82,680	...	8,82,680	8,82,680	8,82,680
K. Buildings	11,459	...	11,459	11,459	11,459
L. Earth-work	1,16,773	...	1,16,773	1,16,773	1,16,773
P. Maintenance	5,610	...	5,610	5,610	5,610
Total, Head Works ...	10,43,256	...	10,43,256	10,43,256	10,43,256
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,393	—87	1,306	1,349	349
B. Land	2,387	601	2,988	10,417	2,102
C. Masonry Works	1,28,949	7,131	1,36,080	1,83,514	1,25,966
C (*b*). Falls and Weirs	392	...	392	392	392
C (*c*). River and Hill Torrent Works .	71,143	...	71,143	.....	.....
C (*e*). Bridges	718	...	718	.....	.....
K. Buildings	11,990	...	11,990	6,148	6,148
L. Earth-work	1,50,456	5,825	1,56,281	2,03,179	92,086
M. Plantations	5,183	...	5,183	5,183	5,183
O. Miscellaneous	4,877	...	4,877	320	.....
P. Maintenance	.....	...	.....	250	.....
Total, Main Canals and Branches ...	3,77,488	13,479	3,90,958	4,10,752	2,32,226
(3)—*Distributaries.*					
A. Preliminary Expenses ...	7,258	404	7,662	6,717	6,717
B. Land	3,221	...	3,221	3,221	3,221
C. Masonry Works	5,373	...	5,373	5,373	5,373
L. Earth-work	7,794	...	7,794	7,794	7,794
O. Miscellaneous	18,259	...	18,259	38,659	18,259
Total, Distributaries ...	41,905	404	42,309	61,764	41,364
Total, I.—Works ...	14,62,649	13,874	14,76,523	15,15,772	13,16,846
Carried over ...	14,62,649	13,874	14,76,523	15,15,772	13,16,846

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	14,62,649	13,874	14,76,523	15,15,772	13,16,846
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	62,933	533	63,466	3,16,581	57,852
3. Executive	2,39,871	2,359	2,42,230		2,15,153
4. Medical	2,810	...	2,810		2,810
Total, II.—Establishment ...	3,05,614	2,892	3,08,506	3,16,581	2,75,815
III.—TOOLS AND PLANT ...	57,957	208	58,165	58,619	55,775
Grand Total ...	18,26,220	16,974	18,43,194	18,90,972	16,48,436
V.—*Less*—Receipts on Capital Account	2,132	...	2,132	2,132	2,132
Net Outlay ...	18,24,088	16,974	18,41,062	18,88,840	16,46,304
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works .	17,89,772	16,974	18,06,746	18,88,840	16,11,988
Do. 43.—Minor Works and Navigation ...	34,316	...	34,316		34,316
Total ...	18,24,088	16,974	18,41,062	18,88,840	16,46,304

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	63,923	12,367	76,290	1. Head Works	1,578	94	1,672
3. Sales of water ...	4	...	4	2. Main Canals and Branches	296	235	531
6. Other canal produce	74	121	195	Total ...	1,874	329	2,203
9. Rents of Buildings.	283	2	285	II.—MAINTENANCE AND REPAIRS.			
10. Fines	61	...	61	1 Head Works	18,134	4,452	22,586
11. Miscellaneous Receipts	1,531	137	1,668	2. Main Canals and Branches	21,009	3,396	24,405
				3. Distributaries ...	2,107	523	2,630
Total ...	65,876	12,627	78,503	Total ...	41,250	8,371	49,621
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	1,960	379	2,339
				3. Executive	25,875	6,447	32,322
II.—INDIRECT RECEIPTS.				Total ...	27,835	6,826	34,661
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	V.—TOOLS AND PLANT ...	2,471	126	2,597
				VI.—REFUNDS OF REVENUE	36	...	36
				Total ...	73,466	15,652	89,118
				Share of Collection Charges in the Civil Department	3,201	618	3,819
Total, Receipts ...	65,876	12,627	78,503	Indirect Charges debitable to Revenue Account as per Account No. 5	3,896	956	4,852
				Total, Charges ...	80,563	17,226	97,789
				Balance Net Revenue ...	—14,687	—4,599	—19,286
Grand Total ...	65,876	12,627	78,503	Grand Total ...	65,876	12,627	78,503

N.B.—Construction Estimate closed on 31st March 1910—*vide* G. R. No. 872, dated 1st April 1910.
Completion Report approved in G. R. No. 443, dated 3rd March 1911.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 .	5,94,807	Net revenue realized to end of 1915-1916 .	—14,687
		Do. during 1916-1917...	—4,599
Interest charges for the year 1916-1917 ...	60,409		—19,286
		Balance net interest charges ...	6,74,502
Total ...	6,55,216	Total ..	6,55,216

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	17,297	.....	17,297
2. Leave and Pension Allowances	43,425	405	43,830
Total ..	60,722	405	61,127
REVENUE—			
2. Leave and Pension Allowances	3,896	956	4,852

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	12,04,069	1,12,777	13,16,846	1,59,677	1,98,926	39,249	14,76,523	Government Resolution (Public Works Department) No. W. I.-3923, dated 11th April 1917.
Establishment. ...	2,51,351	24,464	2,75,815	32,691	40,766	8,075	3,08,506	
Tools and Plant ...	62,947	—7,172	55,775	2,390	2,844	454	58,165	
Total ...	15,18,367	1,30,069	16,48,436	1,94,758	2,42,536	47,778	18,43,194	
Less—Receipts on Capital Account.	2,132	...	2,132	...	...	...	2,132	
Net Total ...	15,16,235	1,30,069	16,46,304	1,94,758	2,42,536	47,778	18,41,062	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	16,235	1,037	17,272	25	2,000	1,975	17,297	
Leave and Pension Allowances ...	35,829	3,424	39,253	4,577	5,707	1,130	43,830	
Total ...	52,064	4,461	56,525	4,602	7,707	3,105	61,127	
Grand Total ...	15,68,299	1,34,530	17,02,829	1,99,360	2,50,243	50,883	19,02,189	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimates closed on 31st March 1916).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses	5,480	...	5,480	5,480	5,480
B. Land	9,15,341	805	9,16,146	9,15,341	9,15,341
C. Works	31,39,435	15,314	31,54,749	31,39,435	31,39,435
K. Buildings	42,777	...	42,777	42,777	42,777
O. Miscellaneous	152	...	152	152	152
P. Maintenance	18,007	...	18,007	18,007	18,007
Total, Head Works ...	41,21,192	16,119	41,37,311	41,21,192	41,21,192
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	29,652	...	29,652	29,652	29,652
B. Land	1,06,542	811	1,07,353	1,06,542	1,06,542
D. Regulators	28,177	1,575	29,752	28,177	28,177
F. River and Hill Torrent Works ...	10,86,087	14,147	11,00,234	10,86,087	10,86,087
G. Bridges	92,651	10,536	1,03,187	92,651	92,651
H. Escapes	18,989	1,448	20,437	18,989	18,989
K. Buildings	1,88,165	2,005	1,90,170	1,88,165	1,88,165
L. Earth-work	17,09,169	34,262	17,43,431	17,09,169	17,09,169
M. Plantations	8,907	...	8,907	8,907	8,907
O. Miscellaneous	12,680	...	12,680	12,680	12,680
P. Maintenance	15,318	715	16,033	15,318	15,318
Total, Main Canals and Branches ...	32,96,337	65,499	33,61,836	32,96,337	32,96,337
(3)—*Distributaries.*					
A. Preliminary Expenses	8,762	...	8,762	8,762	8,762
B. Land	26,513	1,550	28,063	26,513	26,513
C. Works	1,00,642	4,078	1,04,720	1,00,642	1,00,642
L. Earth-work	1,73,319	368	1,73,687	1,73,319	1,73,319
O. Miscellaneous	1,65,968	35,682	2,01,650	1,65,968	1,65,968
Total, Distributaries ...	4,75,204	41,678	5,16,882	4,75,204	4,75,204
Total, I.—Works ...	78,92,733	1,23,296	80,16,029	78,92,733	78,92,733
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,36,846	4,277	3,41,123	3,36,846	3,36,846
3. Executive	9,03,767	36,069	9,39,836	9,03,767	9,03,767
Total, Establishment ...	12,40,613	40,346	12,80,959	12,40,613	12,40,613
III.—Tools and Plant	2,21,997	1,227	2,23,224	2,21,997	2,21,997
IV.—Suspense Accounts	2,245	611	2,856	2,245	2,245
Grand Total ...	93,57,588	1,65,480	95,23,068	93,57,588	93,57,588
V.—*Less*—Receipts on Capital Account ...	2,026	...	2,026	2,026	2,026
Net Outlay ...	93,55,562	1,65,480	95,21,042	93,55,562	93,55,562
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	93,55,562	1,65,480	95,21,042	93,55,562	93,55,562

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 3—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	4,305	1,824	6,129
				2. Main Canals and Branches	1,023	1,819	2,842
1. Water-rates from Irrigation ...	6,66,597	2,07,914	8,74,511	Total ...	5,328	3,643	8,971
3. Sales of water ..	1,838	479	2,317	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	305	923	1,228	1. Head Works ...	33,468	9,922	43,390
6. Other canal produce	974	678	1,652	2. Main Canals and Branches ...	2,10,692	61,320	2,72,012
				3. Distributaries ..	18,415	6,843	25,258
8. Navigation ...	2	...	2	Total ...	2,62,575	78,085	3,40,660
				IV.—ESTABLISHMENT.			
9. Rents of buildings .	1,491	978	2,469	1 & 2. Direction and Accounts ...	10,703	3,459	14,162
10. Fines	2,088	228	2,316	3. Executive	1,07,718	37,571	1,45,289
11. Miscellaneous receipts	22,253	6,595	28,848	Total ...	1,18,421	41,030	1,59,451
				V.—TOOLS AND PLANT ...	3,339	1,153	4,492
Total ..	6,95,548	2,17,795	9,13,343	VI.—REFUNDS OF REVENUE	38,589	—10,316	28,273
				Total ...	4,28,252	1,13,595	5,41,847
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Share of Collection Charges in the Civil Department	34,124	10,599	44,723
				Indirect Charges, debitable to Revenue Account as per Account No. 5	16,577	5,744	22,321
Total ...	...	...	...				
Total, Receipts ...	6,95,548	2,17,795	9,13,343	Total Charges ...	4,78,953	1,29,938	6,08,891
				Balance Net Revenue ...	2,16,595	87,857	3,04,452
Grand Total ..	6,95,548	2,17,795	9,13,343	Grand Total ...	6,95,548	2,17,795	9,13,343

N. B.—Construction Estimate closed on 31st March 1916, *vide* Government Order No. A.-I.. 3470, dated 28th March 1916.

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	17,39,392	Net Revenue realized to end of 1915-1916	2,16,595
		Net Revenue realized during 1916-1917.	87,857
Interest charges for the year 1916-1917.	3,11,124		3,04,452
		Balance Net Interest charges ...	17,46,064
Total ...	20,50,516	Total ...	20,50 516

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,07,005	1,518	3,08,523
2. Leave and Pension Allowances	1,73,684	5,648	1,79,332
Total ...	4,80,689	7,166	4,87,855
REVENUE—			
2. Leave and Pension Allowances	16,577	5,744	22,321

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	78,92,733	...	78,92,733	1,23,296	...	—1,23,296	80,16,029	The excess is due to the expenditure incurred against the construction Estimate, Completion Report for which is submitted to the Government of India for approval and partly to the expenditure incurred against open capital account, the list of incomplete works for which accompanies the completion Report.
Establishment ...	12,40,613	...	12,40,613	40,346	...	—40,346	12,80,959	
Tools and Plant ...	2,21,997	...	2,21,997	1,227	...	—1,227	2,23,224	
Suspense Accounts	2,245	...	2,245	611	....	—611	2,856	
Total ...	93,57,588	...	93,57,588	1,65,480	...	—1,65,480	95,23,068	
Less—Receipts on Capital Account...	2,026	...	2,026	...	...	...	2,026	
Net Total ...	93,55,562	...	93,55,562	1,65,480	...	—1,65,480	95,21,042	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	3,07,005	...	3,07,005	1,518	...	—1,518	3,08,523	
Leave and Pension Allowances ...	1,73,684	...	1,73,684	5,648	...	—5,643	1,79,332	
Total ...	4,80,689	...	4,80,689	7,166	...	—7,166	4,87,855	
Grand Total ...	98,36,251	...	98,36,251	—1,72,646	...	—1,72,646	1,00,08,897	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	63,41,121	4,87,341	68,28,462	1. Head Works	13,225	2,498	15,723
3. Sales of water ...	2,470	66	2,536	2. Main Canals and Branches	49,792	4,422	54,214
4. Water-supply of towns	1	...	1	3. Distributaries ...	14,331	6,661	20,992
5. Plantations ...	62,886	1,250	64,136	4. Drainage and Protective Works	4,737	...	4,737
6. Other canal produce	...	3,601	3,601				
8. Navigation ...	30	...	30	Total ...	82,085	13,581	95,666
9. Rents of buildings	7,785	338	8,123				
10. Fines	7,279	213	7,492	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts	45,850	2,205	48,055	1. Head Works	1,30,245	9,042	1,39,287
				2. Main Canals and Branches	5,25,186	35,269	5,60,455
Total ...	64,67,422	4,95,014	69,62,436	3. Distributaries	1,59,708	9,093	1,68,801
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works	977	6	983
				Total ..	8,16,116	53,410	8,69,526
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	III.—COMPENSATION ...	5	...	5
				IV.—ESTABLISHMENT.			
Total, Receipts ...	64,67,422	4,95,014	69,62,436	1 & 2. Direction and Accounts	70,472	2,736	73,208
				3. Executive	7,34,223	52,736	7,86,959
				4. Medical	3,724	...	3,724
				Total ...	8,08,419	55,472	8,63,891
				V.—TOOLS AND PLANT ...	40,481	73	40,554
Carried over ...	64,67,422	4,95,014	69,62,436	Carried over ...	17,47,106	1,22,536	18,69,642

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	64,67,422	4,95,014	69,62,436	Brought forward ...	17,47,106	1,22,536	18,69,642
				VI.—REFUNDS OF REVENUE	12,916	338	13,254
				Total ...	17,60,022	1,22,874	18,82,896
				Share of Collection Charges in the Civil Department	3,17,413	24,363	3,41,776
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,13,178	7,766	1,20,944
				Total Charges ...	21,90,613	1,55,003	23,45,616
				Balance Net Revenue ...	42,76,809	3,40,011	46,16,820
Grand Total ...	64,67,422	4,95,014	69,62,436	Grand Total ...	64,67,422	4,95,014	69,62,436

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16. Construction Estimate of the Nira Canal closed on 31st March 1899—*vide* Government Resolution No. 1847, dated 2nd April 1900.
Construction Estimate of the Shetphal Tank closed on 31st March 1906—*vide* Government Resolution No. 2434, dated 2nd October 1905.
Completion Report approved in Government Resolution No. 2367, dated 3rd December 1907.

No. 4.—*Interest Account for, and to end of,* 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-16.	67,37,317	Net revenue realized to end of 1915-16.	42,76,809
		Do. during 1916-17.	3,40,011
Interest charges for the year 1916-17...	2,00,973		46,16,820
		Balance net Interest charges	23,21,470
Total ...	69,38,290	Total ...	69,38,290

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—.			
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowances	1,13,178	7,766	1,20,944
Total ...	1,13,178	7,766	1,20,944

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	6,78,296	39,391 (a) 189	7,17,876	1. Head Works ...	17,901	...	17,901
3. Sales of water ...	556	...	556	2. Main Canals and Branches ...	2,048	...	2,048
4. Water-supply of towns.	29,806	40	29,846	3. Distributaries ...	2,083	277	2,360
5. Plantations ...	21,498	2,059	24,698	Total ...	22,032	277	22,309
6. Other canal produce		1,141		II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1,219	30	1,249				
10. Fines	185	...	185	1. Head Works ...	52,736	851	53,587
11. Miscellaneous receipts	35,614	27	35,641	2. Main Canals and Branches ...	1,06,656	2,466	1,09,122
Total ...	7,67,174	42,877	8,10,051	3. Distributaries ...	62,536	2,404	64,940
II.—INDIRECT RECEIPTS.				Total ...	2,21,928	5,721	2,27,649
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	75	...	75
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	23,045	270	22,315
				3. Executive	1,55,809	7,626	1,63,435
				4. Medical	66	...	66
				Total ...	1,78,920	7,896	1,86,816
Total Receipts ...	7,67,174	42,877	8,10,051				
				V.—TOOLS AND PLANT ...	5,496	90	5,586
Carried over ...	7,67,174	42,877	8,10,051	Carried over ...	4,28,451	13,984	4,42,435

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	7,67,174	42,877	8,10,051	Brought forward ...	4,28,451	13,984	4,42,435
				VI.—REFUNDS OF REVENUE	242	21	263
				Total ...	4,28,693	14,005	4,42,698
				Share of Collection Charges in the Civil Department	35,251	1,844 (a) 189	37,284
				Indirect Charges debitable to Revenue Account as per Account No. 5	25,106	1,105	26,211
				Total Charges ...	4,89,050	17,143	5,06,193
				Balance Net Revenue ...	2,78,124	25,734	3,03,858
Grand Total ...	7,67,174	42,877	8,10,051	Grand Total ...	7,67,174	42,877	8,10,051

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907.
Construction Estimate closed on 31st March 1901, *vide* Government Resolution No. 1197, dated 10th June 1901.
Completion Report approved in Government Resolution No. 1106, dated 22nd April 1903.
(*a*) Amount adjusted by credit to Water rates and debit *per contra* on account of collection charges for the revenue realized by the Aundh State.

No. 4.—*Interest Account for, and to end of,* 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
		Net revenue realized to end of 1915-1916.	2,78,124
		Do. during 1916-1917.	25,734
Total Interest charges to end of 1915-1916	25,31,433		3,03,858
Interest charges for the year 1916-1917 .	66,111	Balance net Interest charges	22,93,686
Total ...	25,97,544	Total ...	25,97,544

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	58	.....	58
2. Leave and Pension Allowances	25,048	1,105	26,153
Total ...	25,106	1,105	26,211

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—Head Works.					
A. Preliminary Expenses	5,327	...	5,327	5,327	...
B. Land	13,576	...	13,576	13,990	...
C. Masonry Works	85,812	...	85,812	85,823	...
K. Buildings	3,707	...	3,707	3,706	...
L. Earth-work	1,34,417	...	1,34,417	1,34,443	...
P. Maintenance	30	...	30	30	...
Total, Head Works ...	2,42,869	...	2,42,869	2,43,319	...
Total, I.—Works ...	2,42 869	...	2,42,869	2,43,319	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	11,436	...	11,436	11,459	...
3. Executive	49,110	...	49,110	49,194	...
Total, II.—Establishment ...	60,546	...	60,546	60,653	...
III.—TOOLS AND PLANT ...	1,473	...	1,473	1,473	...
Grand Total ...	3,04,888	...	3,04,888	3,05,445	...
V.—*Less*—Receipts on Capital Account ...	2,848	...	2,848	774	...
Net Outlay ...	3,02,040	...	3,02,040	3,04,671	...
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	2,88,703	...	2,88,703	3,04,671	...
Do. 43.—Minor Works and Navigation	13,337	...	13,337		
Total ...	3,02,040	...	3,02,040	3,04,671	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916...	1,90,893	Net Revenue realized to end of 1915-1916...	.....
		Do. during 1916-1917 ...	.....
			.....
Interest charges for the year 1916-1917 ...	9,956	Balance net Interest charges	2,00,849
Total ...	2,00,849	Total ...	2,00,849

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	875	.....	875
2. Leave and Pension Allowances	9,013	.....	9,013
Total ...	9,888	.....	9,888

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanction.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	2,42,869	2,43,319	450	2,42,869	This work is a part of the Pravara River Irrigation Project, but separate account has been maintained until the new project is completed sufficiently to give an increased supply of water to the other canals—*vide* Government of India's No. 1951-I, dated 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908. Estimate amounting to Rs. 3,14,574 for direct and indirect charges included in the above project sanctioned in the Secretary of State's Despatch No. 38-P. W., dated 9th August 1907, communicated in Government of India's No. 1631 of 23rd September 1907—*vide* Government Resolution No. 2557 of 22nd October 1907—has been shown here.
Establishment ...	...	...	...	60,546	60,653	107	60,546	
Tools and Plant...	...	...	...	1,473	1,473	...	1,473	
Suspense Accounts	...	...	...	...	...	...	...	
Total ...	...	...	...	3,04,888	3,05,445	557	3,04,888	
Less—Receipts on Capital Account.	...	...	...	2,848	774	—2,074	2,848	
Net Total ...	...	...	...	3,02,040	3,04,671	2,631	3,02,040	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue.	...	...	...	875	875	...	875	
Leave and Pension Allowances ...	...	...	...	9,013	9,028	15	9,013	
Total ...	...	...	...	9,883	9,903	15	9,888	
Grand Total ...	...	...	...	3,11,928	3,14,574	2,646	3,11,928	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	836	...	836	1,600	...
B. Land	8,174	...	8,174	30,204	...
C. Masonry Works	45,988	...	45,988	1,50,393	...
K. Buildings	5,696	...	5,696	5,696	...
L. Earth-work	3,28,697	...	3,28,697	7,63,449	...
O. Miscellaneous	4,993	...	4,993	7,656	...
P. Maintenance	3,393	283	3,676	3,973	...
Total, Head Works ...	3,97,777	283	3,98,060	9,62,971	...
(2)—*Main Canals and Branches.*					
Total, Main Canals and Branches ...	...	...	...	*1,66,500	...
Total, I.—Works ...	3,97,777	283	3,98,060	11,29,471	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	19,447	13	19,460	54,973	...
3. Executive	70,031	48	70,079	1,97,617	...
Total, II.—Establishment ...	89,478	61	89,539	2,52,590	...
III.—TOOLS AND PLANT ...	5,022	4	5,026	16,468	...
Grand Total ...	4,92,277	348	4,92,625	13,98,529	...
V.—*Less*—Receipts on Capital Account ...	1,379	210	1,589	...	...
Net Outlay ...	4,90,898	138	4,91,036	13,98,529	...
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	36,027	138	36,165	13,98,529	...
Do. 43.—Minor Works and Navigation	29,588	...	29,588		
Do. 33.—Famine Relief ...	4,25,283	...	4,25,283		
Total ...	4,90,898	138	4,91,036	13,98,529	...

* Lump sum provision in the Estimate.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916...	1,84,312	Net Revenue realized to end of 1915-1916...	.....
		Do. during 1916-1917...	.....
			.....
Interest charges for the year 1916-1917 ...	16,184	Balance net Interest charges ...	2,00,496
Total ...	2,00,496	Total ...	2,00,496

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	5,741	.....	5,741
2. Leave and Pension Allowances	12,527	9	12,536
Total ...	18,268	9	18,277

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	3,98,060	11,29,471	7,31,411	3,98,060	Estimate sanctioned in the Secretary of State's Despatch No. 21 of 14th April 1905, as per Government of India's No. 793—I of 17th June 1905, communicated in Government Resolution No. 2002 of 1st August 1905.
Establishment ...	...	...	...	89,539	2,52,590	1,63,051	89,539	
Tools and Plant .	...	...	...	5,026	16,468	11,442	5,026	
Total ...	...	...	...	4,92,625	13,98,529	9,05,904	4,92,625	
Less—Receipts on Capital Account.	...	...	...	1,589	...	—1,589	1,589	
Net Total ...	...	...	...	4,91,036	13,98,529	07,493	4,91,036	
INDIRECT CHARGES								
Capitalized abatement of Land Revenue ...	...	...	...	5,741	20,720	14,979	5,741	
Leave and Pension Allowances ...	...	...	...	12,536	35,362	22,826	12,536	
Total ...	...	...	...	18,277	56,082	37,805	18,277	
Grand Total ...	...	...	...	5,09,313	14,54,611	9,45,298	5,09,313	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	39,876	...	39,876	20,000	.....
B. Land	23,782	6,079	29,861	3,59,630	.....
C. Works	20,78,168	5,82,076	26,60,244	68,96,716	.....
K. Buildings	89,831	937	90,768	93,207	.....
O. Miscellaneous	84,639	—30,239	54,400	75,230	.....
P. Maintenance	10,980	29,143	40,123	40,647	.....
Total, Head Works ...	23,27,276	5,87,996	29,15,272	74,85,430	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,81,117	42,446	2,23,563	1,72,538	.....
B. Land	1,59,610	4,641	1,64,251	2,03,625	.....
D. Regulators	.....	...	.....	1,68,981	.....
F. River and Hill Torrent Works ...	2,06,510	1,33,949	3,40,459	23,86,367	.....
G. Bridges	50,724	12,136	62,860	1,98,572	.....
H. Escapes	707	536	1,243	1,050	.....
K. Buildings	1,60,554	23,558	1,84,112	2,55,500	.....
L. Earth-work	44,30,995	4,90,485	49,21,480	63,43,621	.....
M. Plantations	16,028	5,270	21,298	35,000	.....
O. Miscellaneous	4,577	545	5,122	4,169	.....
P. Maintenance	1,34,878	—1,12,711	22,167	90,000	.....
Total, Main Canals and Branches ...	53,45,700	6,00,855	59,46,555	98,59,423	.....
(3)—*Distributaries.*					
A. Preliminary Expenses ...	6,167	19,035	25,202	.....	.....
B. Land	.....	...	.....	1,47,480	.....
C. Works	3,957	694	4,651	27,99,937	.....
Total, Distributaries ...	10,124	19,729	29,853	29,47,417	.....
Total, I.—Works ...	76,83,100	12,08,580	88,91,680	2,02,92,270	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,34,049	42,922	2,76,971	43,54,327	.....
3. Executive	8,32,074	1,69,500	10,01,574		
Total, Establishment ...	10,66,123	2,12,422	12,78,545	43,54,327	.....
III.—TOOLS AND PLANT	5,31,442	27,392	5,58,834	3,25,271	.....
IV.—Suspense Accounts	7,809	9,851	17,660	.....	.....
Grand Total ...	92,88,474	14,58,245	1,07,46,719	2,49,71,868	.....
V.—*Less*—Receipts on Capital Account	3,667	3,640	7,307	.....	.....
Net Outlay ...	92,84,807	14,54,605	1,07,39,412	2,49,71,868	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	92,84,807	14,54,605	1,07,39,412	2,49,71,868	.....

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-16.	5,25,921	Net Revenue realized to end of 1915-16.	.....
		Net Revenue realized during 1916-17 .	.....
Interest charges for the year 1916-17 ...	3,30,039		.....
		Balance net Interest charges ...	8,55,960
Total ...	8,55,960	Total	8,55,960

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	56,591	1,046	57,637
2. Leave and Pension Allowances	1,49,257	29,739	1,78,996
Total ...	2,05,848	30,785	2,36,633

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate sanctioned in Secretary of State's Despatch No. P. W.-30, dated 14th June 1912—*vide* Government of India's No. 697-I., dated 16th July 1912, communicated in Government Resolution No. 7653, dated 21st August 1912.
Works	...	...	...	88,91,680	2,02,92,270	1,14,00,590	88,91,680	
Establishment ...	...	...	...	12,78,545	43,54,327	30,75,782	12,78,545	
Tools and Plant ...	...	...	...	5,58,834	3,25,271	—2,33,563	5,58,834	
Suspense Accounts ...	...	...	...	17,660	...	—17,660	17,660	
Total ...	...	...	...	1,07,46,719	2,49,71,868	1,42,25,149	1,07,46,719	
Less—Receipts on Capital Account	...	...	...	7,307	...	—7,307	7,307	
Net Total ..	...	...	...	1,07,39,412	2,49,71,868	1,42,32,456	1,07,39,412	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	57,637	1,91,025	1,33,388	57,637	
Leave and Pension Allowances	...	...	...	1,78,996	6,09,606	4,30,610	1,78,996	
Total ...	...	...	...	2,36,633	8,00,631	5,63,998	2,36,633	
Grand Total ...	...	...	...	1,09,76,045	2,57,72,499	1,47,96,454	1,09,76,045	

N.B.—From the sanctioned provision of works Rs. 41,293 have been transferred to that of Tools and Plant—*vide* Government Resolution No. A. I.—1988, dated 17th February 1915, and No. A. I.—4435, dated 26th April 1916.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	18,58,977	1,09,677	19,68,654	1. Head Works ...	4,789	...	4789
5. Plantations ...	2,909	71	5,007	2. Main Canals and Branches ...	1,88,943	1,147	1,90,090
6. Other canal produce ...		2,027		3. Distributaries ...	48,299	...	48,299
9. Rents of buildings .	9,403	323	9,726				
10. Fines ...	15,302	713	16,015	Total ...	2,42,031	1,147	2,43,178
11. Miscellaneous receipts ...	20,490	1,027	21,517	II.—MAINTENANCE AND REPAIRS.			
Total ...	19,07,081	1,13,838	20,20,919	1. Head Works ...	43,743	...	43,743
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	21,74,745	69,272	22,44,017
Irrigation share of Land Revenue collected in the Civil Department.	61,70,881	3,64,358	65,35,239	3. Distributaries ...	41,270	...	41,270
				Total ...	22,59,758	69,272	23,29,030
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	39,178	2,125	41,303	III.—COMPENSATION ...	279	...	279
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	1,12,018	2,195	1,14,213
				3. Executive ...	3,73,759	24,400	3,98,159
				Total ...	4,85,777	26,595	5,12,372
				V.—TOOLS AND PLANT ...	23,479	1,225	24,704
Total ...	62,10,059	3,66,483	65,76,542	VI.—REFUNDS OF REVENUE ..	7,245	...	7,245
Total, Receipts ...	81,17,140	4,80,321	85,97,461				
				Total ...	30,18,569	98,239	31,16,808
				Share of Collection Charges in the Civil Department	4,52,253	21,949	4,74,202
				Indirect Charges debitable to Revenue Account as per Account No. 5	73,919	4,577	78,496
				Total, Charges ...	35,44,741	1,24,765	36,69,506
				Balance Net Revenue ...	45,72,399	3,55,556	49,27,955
Grand Total ...	81,17,140	4,80,321	85,97,461	Grand Total ...	81,17,140	4,80,321	85,97,461

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Khilát Territory, and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1915-1916.	17,85,052
Loss for 1916-1917...	1,06,933
Total ...	18,91,985

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-13. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 1760, dated 10th November 1893.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	24,91,100	Net Revenue realized to end of 1915-1916 ...	45,72,399
		Do. during 1916-1917 ...	3,55,556
			49,27,955
Interest charges for the year 1916-1917 ...	87,054		
		Balance net Interest charges	—23,49,801
Total ...	25,78,154	Total ...	25,78,154

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,873	854	4,727
2. Leave and Pension Allowances	70,046	3,723	73,769
Total ...	73,919	4,577	78,496

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

UNHARWA'H.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,545	292	4,837				
4. Water-supply of towns ...	41	...	41	1. Head Works ...	76,109	...	76,109
5. Plantations ...	1,327	35	1,624	2. Main Canals and Branches	44,932	994	45,926
6. Other canal produce.		262		3. Distributaries ...	7,467	...	7,467
9. Rents of buildings.	103	...	103	Total ...	1,28,508	994	1,29,502
10. Fines ...	8,052	565	8,617				
11. Miscellaneous receipts ...	5,626	274	5,900	II.—MAINTENANCE AND REPAIRS.			
Total ...	19,694	1,428	21,122	1. Head Works ...	387	...	387
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches... ..	6,59,052	35,302	6,94,354
Irrigation share of Land Revenue collected in the Civil Department	37,04,257	1,83,487	38,87,744	3. Distributaries ...	11,224	...	11,224
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	62,526	3,015	65,541	Total ...	6,70,663	35,302	7,05,965
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	36,047	1,211	37,258
				3 Executive	79,510	12,217	91,727
Total ...	37,66,783	1,86,502	39,53,285	Total ...	1,15,557	13,428	1,28,985
Total, Receipts ...	37,86,477	1,87,930	39,74,407	V.—TOOLS AND PLANT ..	6,428	377	6,805
				Total ...	9,21,156	50,101	9,71,257
				Share of Collection Charges in the Civil Department	2,43,478	11,061	2,54,539
				Indirect Charges debitable to Revenue Account as per Account No. 5	19,555	1,887	21,442
				Total, Charges ...	11,84,189	63,049	12,47,238
				Balance Net Revenue ...	26,02,288	1,24,881	27,27,169
Grand Total ...	37,86,477	1,87,930	39,74,407	Grand Total ...	37,86,477	1,87,930	39,74,407

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1915-1916 ...	17,288
Loss for 1916-1917 ...	1,033
Total ...	18,321

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 590, dated 6th April 1892.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

UNHARWA'H.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	6,53,112	Net Revenue realized to end of 1915-1916...	26,02,288
Interest charges for the year 1916-1917 ...	25,318	Do. during 1916-1917 ...	1,24,881
			27,27,169
		Balance net Interest charges	—20,48,739
Total ...	6,78,430	Total ...	6,78,430

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,378	7	3,385
2. Leave and Pension Allowances	16,177	1,880	18,057
Total ...	19,555	1,887	21,442

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

BEGARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed or 31st March 1891.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Works.					
(2)—*Main Canals and Branches.*					
B. Land	24,888	...	24,888	27,693	409
D. Regulators	3,57,038	...	3,57,038	3,57,039	2,98,290
G. Bridges	70,650	...	70,650	70,649	66,673
H. Escapes	7,092	...	7,092	7,092	7,092
I. Navigation Works	2,065	...	2,065	2,065	2,065
K. Buildings	35,779	...	35,779	35,778	22,690
L. Earth-work	10,59,759	...	10,59,759	10,59,759	9,64,207
M. Plantations	11,455	...	11,455	11,455	11,266
O. Miscellaneous	4,543	...	4,543	4,543	3,544
Total, Main Canals and Branches ...	15,73,269	...	15,73,269	15,76,073	13,76,236
(3)—*Distributaries.*					
A. Preliminary Expenses ...	9,039	...	9,039	9,039	.....
B. Land	21,771	241	22,012	97,974	111
C. Works	2,16,060	...	2,16,060	2,16,436	1,79,901
L. Earth-work	1,91,510	...	1,91,510	2,18,682	10,972
Total, Distributaries ...	4,38,380	241	4,38,621	5,42,131	1,90,984
Total, I—Works ...	20,11,649	241	20,11,890	21,18,204	15,67,220
II.—Establishment.					
1 & 2. Direction and Accounts ...	81,808	...	81,808	} 3,45,519	{ 61,758
3. Executive	2,72,426	...	2,72,426	}	{ 2,05,029
Total, Establishment ...	3,54,234	...	3,54,234	3,45,519	2,66,787
III.—Tools and Plant ...	6,279	...	6,279	6,277	4,722
IV.—Suspense Accounts ...	.....	...	.....	.....	.....
Grand Total ...	23,72,162	241	23,72,403	24,70,000	18,38,729
V.—*Less*—Receipts on Capital Account	19	...	19	19	19
Net Outlay ...	23,72,143	241	23,72,384	24,69,981	18,38,710
Apportionment.					
Chargeable to 49.—Irrigation ...	23,72,143	241	23,72,384	24,69,981	18,38,710

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,34,909	39,001	12,73,910	1. Head Works ...	1,255	...	1,255
3. Sales of Water ...	518	7	525	2. Main Canals and Branches... ...	3,20,727	5,349	3,26,076
4. Water-supply of Towns.	881	174	1,055	3. Distributaries ...	11,307	...	11,307
5. Plantations ...	9,815	21	10,925	Total ...	3,33,289	5,349	3,38,638
6. Other Canal Produce.		1,089		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	227	18	245	2. Main Canals and Branches... ...	29,40,891	81,857	30,22,748
10. Fines ...	12,684	1,270	13,954	3. Distributaries ...	26,015	...	26,015
11. Miscellaneous Receipts ...	35,835	1,245	37,080	4. Drainage and Protective Works ...	17,343	...	17,343
Total ...	12,94,869	42,825	13,37,694	Total ...	29,84,249	81,857	30,66,106
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	1,39,21,616	6,48,774	1,45,70,390	1 & 2. Direction and Accounts ...	1,55,010	2,997	1,58,007
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58—A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	1,86,190	9,061	1,95,251	3. Executive	5,72,128	32,007	6,04,135
Total ...	1,41,07,806	6,57,835	1,47,65,641	Total ...	7,27,138	35,004	7,62,142
Total, Receipts ...	1,54,02,675	7,00,660	1,61,03,335	V.—TOOLS AND PLANT ...	33,007	1,283	34,290
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Khilát Territory and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				VI.—REFUNDS OF REVENUE	1,751	...	1,751
				Suspense Account ...	699	—699	....
				Total ...	40,80,133	1,22,794	42,02,927
				Share of Collection Charges in the Civil Department	10,63,648	39,363	11,03,011
				Indirect Charges debitable to Revenue Account as per Account No. 5...	1,14,953	4,901	1,19,854
				Total, Charges ...	52,58,734	1,67,058	54,25,792
				Balance Net Revenue ...	1,01,43,941	5,33,602	1,06,77,543
				Grand Total ...	1,54,02,675	7,00,660	1,61,03,335

	Rs.
To end of 1915-1916.	20,27,471
Loss for 1916-1917.	80,990
Total ...	21,08,461

N.B.—Construction Estimate closed on 31st March 1891—*Vide* Government Resolution No. 1253, dated 28th July 1891.
Completion Report approved in Government Resolution No. 753, dated 11th May 1892.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-16.	28,57,963	Net Revenue realized to end of 1915-16.	1,01,43,941
		Do. during 1916-1917.	5,33,602
			1,06,77,543
Interest charges for the year 1916-1917.	78,199	Balance net Interest charges	—77,41,381
Total ...	29,36,162	Total ...	29,36,162

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	17,912	13	17,925
2. Leave and Pension Allowances	60,632	.....	60,632
Total ...	78,544	13	78,557
REVENUE—			
1. Capitalized abatement of Land Revenue	1,973	.....	1,973
2. Leave and Pension Allowances	1,12,980	4,901	1,17,881
Total ...	1,14,953	4,901	1,19,854

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	13,91,068	1,76,152	15,67,220	4,44,670	5,50,984	1,06,314	20,11,890	
Establishment ...	2,29,894	36,893	2,66,787	87,447	78,732	—8,715	3,54,234	
Tools and Plant ...	4,666	56	4,722	1,557	1,555	—2	6,279	
Total ...	16,25,628	2,13,101	18,38,729	5,33,674	6,31,271	97,597	23,72,403	
Less—Receipts on Capital Account ...	19	...	19	...	...	...	19	
Net Total ...	16,25,609	2,13,101	18,38,710	5,33,674	6,31,271	97,597	23,72,384	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	4,246	949	5,195	12,730	...	—12,730	17,925	
Leave and Pension Allowances	43,224	5,165	48,389	12,243	11,022	—1,221	60,632	
Total ...	47,470	6,114	53,584	24,973	11,022	—13,951	78,557	
Grand Total ...	16,73,079	2,19,215	18,92,294	5,58,647	*6,42,293	83,646	24,50,941	Second revised Estimate of the Cloi Project sanctioned by the Government of India—*vide* their letter No. 730-I, dated 6th May 1914, communicated in Government Resolution No. W. I.-2007, dated 23rd June 1914 ... ... Rs. 6,42,293

* Includes Rs. 68,012 on account of the cost of water-courses to be recovered from colonists.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed Estimates.
	Previous.	1916-1917.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
B. Land	60,416	2,569	62,985	68,616	...
D. Regulators	1,53,899	...	1,53,899	1,61,973	...
E. Falls and Weirs	8,272	...	8,272	8,291	...
G Bridges	44,200	...	44,200	46,358	...
K. Buildings	34,288	...	34,288	34,288	...
L. Earth-work	4,14,441	...	4,14,441	4,42,880	...
Total, Main Canals and Branches ...	7,15,516	2,569	7,18,085	7,62,406	...
(3)—*Distributaries.*					
C. Works	69,822	...	69,822	78,946	...
L. Earth-work	79,871	...	79,871	80,121	...
Total, Distributaries ...	1,49,693	...	1,49,693	1,59,067	....
(4)—*Drainage and Protective Works.*					
B. Land	4,210	...	4,210	4,210	...
C. Works	50,954	...	50,954	50,954	...
L. Earth-work	2,04,631	...	2,04,631	2,04,631	...
Total, Drainage and Protective Works ...	2,59,795	...	2,59,795	2,59,795	...
Total, I.—Works ...	11,25,004	2,569	11,27,573	11,81,268	...
II.—Establishment.					
1 & 2. Direction and Accounts ...	53,473	(*a*) 116	53,589	2,54,486	...
3. Executive	1,90,404	...	1,90,404		
Total, II.—Establishment ...	2,43,877	116	2,43,993	2,54,486	...
III.—Tools and Plant	9,500	...	9,500	9,500	...
Grand Total ...	13,78,381	2,685	13,81,066	14,45,254	...
V.—*Less*—Receipts on Capital Account ...	6	...	6	6	...
Net Outlay ...	13,78,375	2,685	13,81,060	14,45,248	...
Apportionment.					
Chargeable to 49.—Irrigation	13,78,375	2,685	13,81,060	14,45,248	...

(*a*) Direction charges erroneously charged during the year will be written back during the year 1917-18.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,745	—137	3,608				
3. Sales of Water ...	6	...	6				
5. Plantations ...	331	37	368	I.—EXTENSIONS AND IMPROVEMENTS.			
6. Other Canal Produce	1,408	125	1,533				
9. Rents of Buildings.	380	...	380	2. Main Canals and Branches	84,559	3,170	87,729
10. Fines	6,187	2,757	8,944	3. Distributaries ...	5,466	...	5,466
11. Miscellaneous Receipts	14,373	332	14,705	Total ...	90,025	3,170	93,195
Total ...	26,430	3,114	29,544	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	5,03,736	57,693	5,61,429
Irrigation share of Land Revenue collected in the Civil Department	8,85,274	72,872	9,58,146				
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively; 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	36,672	2,625	39,297	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	19,961	1,883	21,844
				3. Executive	—4,528	340	—4,188
				Total ...	15,433	2,223	17,656
				V.—TOOLS AND PLANT ...	3,624	1,037	4,661
				Total ...	6,12,818	64,123	6,76,941
Total ...	9,21,946	75,497	9,97,443				
Total, Receipts ...	9,48,376	78,611	10,26,987	Share of Collection Charges in the Civil Department	47,121	4,514	51,635
				Indirect Charges debitable to Revenue Account as per Account No. 5	5,678	311	5,989
Note.—Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.							
	Rs.						
To end of 1915-1916 ...	80,775						
Loss for 1916-1917 ...	5,451						
Total ...	86,226						
				Total, Charges ...	6,65,617	68,948	7,34,565
				Balance Net Revenue ...	2,82,759	9,663	2,92,422
Grand Total ...	9,48,376	78,611	10,26,987	Grand Total ...	9,48,376	78,611	10,26,987

IRRIGATION BRANCH. **BOMBAY PRESIDENCY**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1915-1916 ...	6,43,522	Net Revenue realized to end of 1915-1916 ...	2,82,759
		Do. during 1916-1917 ...	9,663
			2,92,422
Interest charges for the year 1916-1917 ...	45,481		
		Balance net Interest charges	3,96,581
Total ...	6,89,003	Total ...	6,89,003

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue...	24,649	.....	24,649
2. Leave and Pension Allowances	34,143	16	34,159
Total ...	58,792	16	58,808
REVENUE—			
1. Capitalized abatement of Land Revenue	3,518	.....	3,518
2. Leave and Pension Allowances	2,160	311	2,471
Total ...	5,678	311	5,989

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	11,27,573	11,81,268	53,695	11,27,573	Revised Estimate sanctioned in the Secretary of State's Despatch No. 20-P.W., dated 15th July 1910, communicated in Government of India's No. 691-I., dated 8th August 1910, *vide* Government Resolution No. W. I.—2211, dated 15th October 1910 ... ... Rs. 15,17,356
Establishment ...	...	...	...	2,43,993	2,54,486	10,493	2,43,993	
Tools and Plant ...	...	...	...	9,500	9,500	...	9,500	
Total ...	...	...	...	13,81,066	14,45,254	64,188	13,81,066	
Less—Receipts on Capital Account...	...	...	...	6	6	...	6	
Net Total ...	...	...	...	13,81,060	14,45,248	64,188	13,81,060	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue...	...	...	...	24,649	36,425	11,776	24,649	
Leave and Pension Allowances ...	...	...	...	34,159	35,683	1,524	34,159	
Total ...	...	...	...	58,808	72,108	13,300	58,808	
Grand Total ...	...	...	...	14,39,868	15,17,356	77,488	14,39,868	

Note.—From the sanctioned provision of Establishment, Rs. 397 have been transferred to that of Tools and Plant, *vide* para. 2 of Government Resolution No. 2228, dated 18th October 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NARA WORKS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1898.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
B. Land	1,638	...	1,638	1,638	1,638
C. Works	12,33,300	...	12,33,300	12,33,300	12,33,300
K. Buildings	1,862	...	1,862	1,862	1,862
Total, Head Works ...	12,36,800	...	12,36,800	12,36,800	12,36,800
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	2,155	399	2,554	2,554	2,554
D. Regulators	2,57,668	...	2,57,668	2,57,668	2,57,668
G. Bridges	1,61,703	...	1,61,703	1,61,703	1,61,703
H. Escapes	45,632	...	45,632	45,632	45,632
K. Buldings	93,089	...	93,089	93,089	93,089
L. Earth-work	7,66,537	...	7,66,537	7,66,537	7,66,537
M. Plantations	16,742	...	16,742	16,742	16,742
N. Tanks and Reservoirs	1,441	...	1,441	1,441	1,441
O. Miscellaneous	32,121	...	32,121	32,121	32,121
Total, Main Canals and Branches ...	13,77,088	399	13,77,487	13,77,487	13,77,487
(3) *Distributaries.*					
A. Preliminary Expenses	3,897	13	3,910	2,839	1,521
B. Land	554	985	1,539	2,152	...
C. Works	2,65,645	845	2,66,490	2,63,930	2,30,575
L. Earth-work	1,04,897	7,176	1,12,073	1,15,861	19,513
O. Miscellaneous	28,876	1,002	29,878	27,508	8,587
Total, Distributaries ...	4,03,869	10,021	4,13,890	4,12,290	2,60,196
(4) *Drainage and Protective Works.*					
A. Preliminary Expenses	65,327	...	65,327	65,327	65,327
B. Land	2,832	...	2,832	2,832	2,832
C. Works	2,38,182		2,38,182	2,38,182	2,38,182
L. Earth-work	20,29,845	...	20,29,845	20,29,845	20,29,845
O. Miscellaneous	425	...	425	425	425
Total, Drainage and Protective Works ...	23,36,611	...	23,36,611	23,36,611	23,36,611
Total, I.—Works ...	53,54,368	10,420	53,64,788	53,63,188	52,11,094
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,72,326	407	2,72,733	} 13,41,195	{ 2,65,999
3. Executive	10,64,194	1,536	10,65,730		{ 10,42,959
5. Special Survey	3,830	1,052	4,882		
Total, II.—Establishment ...	13,40,350	2,995	13,43,345	13,41,195	13,08,958
III.—TOOLS AND PLANT	71,722	136	71,858	70,961	68,712
Grand Total ...	67,66,440	13,551	67,79,991	67,75,344	65,88,764
V.—*Less*—Receipts on Capital Account ...	176	...	176	176	176
Net Outlay ...	67,66,264	13,551	67,79,815	67,75,168	65,88,588
APPORTIONMENT.					
Chargeable to 49.—Irrigation	43,76,474	13,551	43,90,025	43,85,378	41,98,798
Chargeable to 43.—Minor Works and Navigation	23,89,790	...	23,89,790	23,89,790	23,89,790
Total ...	67,66,264	13,551	67,79,815	67,75,168	65,88,588

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NÁRA WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,39,223	3,232	4,42,455	1. Head Works ...	9,516	564	10,080
3. Sales of water ...	2,546	185	2,731	2. Main Canals and Branches ...	1,97,024	37,966	2,34,990
5. Plantations ...	2,04,945	2,198	2,13,748	3. Distributaries ...	35,186	449	35,635
6. Other Canal Produce		6,605		4. Drainage and Protective Works ...	1,51,386	...	1,51,386
8. Navigation ...	4,209	642	4,851	Total ...	3,93,112	38,979	4,32,091
9. Rents of buildings	571	30	601				
10. Fines	39,555	638	40,193	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	5,74,356	4,795	5,79,151	1. Head Works ...	2,12,823	10,803	2,23,626
				2. Main Canals and Branches ...	20,13,679	57,548	20,71,227
Total ...	12,65,405	18,325	12,83,730	3. Distributaries ...	72,240	...	72,240
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works ...	7,63,620	16,802	7,80,422
Irrigation share of Land Revenue collected in the Civil Department.	1,95,70,315	6,57,014	2,02,27,329	Unclassified Outlay ...	5,36,057	...	5,36,057
				Total ...	35,98,419	85,153	36,83,572
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	35,637	3,720	39,357	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,38,678	6,948	2,45,626
				3. Executive	11,80,353	52,308	12,32,661
				Total ...	14,19,031	59,256	14,78,287
Total ...	1,96,05,952	6,60,734	2,02,66,686	V.—TOOLS AND PLANT ...	42,549	2,398	44,947
Total, Receipts ...	2,08,71,357	6,79,059	2,15,50,416	VI.—REFUNDS OF REVENUE	8,042	...	8,042
Note.—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Suspense Account ...	199	—170	29
				Total ...	54,61,352	1,85,616	56,46,968
				Share of Collection Charges in the Civil Department	15,44,871	39,676	15,84,547
Rs.				Indirect Charges debitable to Revenue Account as per Account No. 5	2,25,330	8,296	2,33,626
To end of 1915-1916. 5,61,529							
Loss for 1916-1917... 20,741							
Total ... 5,82,270				Total, Charges ...	72,31,553	2,33,588	74,65,141
				Balance Net Revenue ...	1,36,39,804	4,45,471	1,40,85,275
Grand Total ...	2,08,71,357	6,79,059	2,15,50,416	Grand Total ...	2,08,71,357	6,79,059	2,15,50,416

N.B.—Construction Estimate closed on 31st March 1898—*vide* Government Resolution No. 1766, dated 18th November 1895, Completion Report approved in Government Resolution No. 438, dated 17th February 1913.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EASTERN NA'RA WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	97,01,069	Net Revenue realized to end of 1915-1916 ...	1,36,39,804
Interest charges for the year 1916-1917	2,23,267	Do. during 1916-1917 ...	4,45,471
			1,40,85,275
		Balance net Interest charges ...	—41,60,939
Total ...	99,24,336	Total ...	99,24,336

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	2,669	415	3,084
2. Leave and Pension Allowances	2,31,602	419	2,32,021
Total ...	2,34,271	834	2,35,105
REVENUE—			
1. Capitalized abatement of Land Revenue	2	.....	2
2. Leave and Pension Allowances	2,25,328	8,296	2,33,624
Total ...	2,25,330	8,296	2,33,626

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against Construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	48,30,172	3,80,922	52,11,094	1,53,694	1,52,094	—1,600	53,64,788	
Establishment	11,84,114	1,24,844	13,08,958	34,387	32,237	—2,150	13,43,345	
Tools and Plant... ...	50,880	17,832	68,712	3,146	2,249	—897	71,858	
Total ...	60,65,166	5,23,598	65,88,764	1,91,227	1,86,580	—4,647	67,79,991	
Less—Receipt on Capital Account ...	179	—3	176	...	...	...	176	
Net Total ...	60,64,987	5,23,601	65,88,588	1,91,227	1,86,580	—4,647	67,79,815	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	2,669	...	2,669	415	854	439	3,084	
Leave and Pension Allowances	2,09,728	17,480	2,27,208	4,813	4,513	—300	2,32,021	
Total ...	2,12,397	17,480	2,29,877	5,228	5,367	139	2,35,105	
Grand Total ...	62,77,384	5,41,081	68,18,465	1,96,455	1,91,947	—4,508	70,14,920	Government of India, Public Works Department, No. 1849-I, dated 16th December 1914, communicated in Government Resolution No. W. I.— 1621, dated 9th February 1915 ... ... Rs. 1,91,947

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JÁMRÁO CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1902.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	3,578	1,160	4,738	4,740	1,740
B. Land	...	62	62	30,750	...
C. Works	14,99,642	1,51,217	16,50,859	17,08,019	13,72,526
K. Buildings	52,016	24,481	76,497	67,280	36,480
O. Miscellaneous	30,342	894	31,236	43,446	30,342
P. Maintenance	11,046	5,217	16,263	11,046	11,046
Total, Head Works ...	15,96,624	1,83,031	17,79,655	18,65,281	14,52,134
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	32,466	...	32,466	32,466	32,466
B. Land	25,269	...	25,269	25,269	25,269
D. Regulators	3,74,148	...	3,74,148	3,74,148	3,74,148
E. Fall and Weirs	85,625	...	85,625	85,625	85,625
F (1). Other Cross Drainage Works ...	1,83,594	...	1,83,594	1,83,594	1,83,594
G. Bridges	1,71,475	...	1,71,475	1,71,475	1,71,475
H. Escapes	44,222	...	44,222	44,222	44,222
K. Buildings	3,22,857	...	3,22,857	3,22,857	3,22,857
L. Earthwork	25,26,346	...	25,26,346	25,26,346	25,26,346
M. Plantations	45,869	...	45,869	45,869	45,869
O. Miscellaneous	57,290	...	57,290	57,290	57,290
P. Maintenance	26,088	...	26,088	26,088	26,088
Total, Main Canals and Branches ...	38,95,249	...	38,95,249	38,95,249	38,95,249
Carried over ...	54,91,873	1,83,031	56,74,904	57,60,530	53,47,383

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction estimated close on 31st March 1902).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	54,91,873	1,83,031	56,74,904	57,60,530	53,47,383
(3)—*Distributaries.*					
A. Preliminary Expenses	9,165	...	9,165	9,165	9,165
B. Land	10,112	...	10,112	10,112	10,112
C. Works	3,49,280	...	3,49,280	3,49,280	3,49,280
L. Earthwork	7,36,022	...	7,36,022	7,36,022	7,36,022
O. Miscellaneous	71,875	—10,736	61,139	61,139	61,139
P. Maintenance	10,041	...	10,041	10,041	10,041
Total, Distributaries ...	11,86,495	—10,736	11,75,759	11,75,759	11,75,759
(4)—*Drainage and Protective Works.*					
A. Preliminary Expenses	363	...	363	363	363
C. Works	23,824	...	23,824	23,824	23,824
L. Earthwork	31,145	...	31,145	31,145	31,145
O. Miscellaneous	9,134	...	9,134	9,134	9,134
Total, Drainage and Protective Works ...	64,466	...	64,466	64,466	64,466
Total I.—Works ...	67,42,834	1,72,295	69,15,129	70,00,755	65,87,608
II.—Establishment.					
1 & 2. Direction and Accounts	3,33,666	8,112	3,41,778	14,96,218	3,27,164
3. Executive	10,94,003	31,083	11,25,086		10,69,439
4. Medical	8,453	...	8,453		8,453
5. Special Survey	8,947	...	8,947		8,947
Total, Establishment ...	14,45,069	39,195	14,84,264	14,96,218	14,14,003
III.—Tools and Plant	1,78,594	2,743	1,81,337	1,82,163	1,76,427
IV.—Suspense Accounts	4,606	...	4,606	4,606	4,606
Grand Total ...	83,71,103	2,14,233	85,85,336	86,83,742	81,82,644
V.—*Less*—Receipts on Capital Account ...	981	...	981	981	981
Net Outlay ...	83,70,122	2,14,233	85,84,355	86,82,761	81,81,663
Apportionment.					
Chargeable to 49—Irrigation	83,70,122	2,14,233	85,84,355	86,82,761	81,81,663

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,66,842	2,072	4,68,914
3. Sales of water ...	156	42	198
4. Water supply of towns ...	5	...	5
5. Plantations ...	4,717	189	4,906
6. Other canal produce ...	55,333	18,207	73,540
7. Water-power ...	13	...	13
9. Rents of buildings.	10,951	660	11,611
10. Fines ...	1,75,648	16,074	1,91,722
11. Miscellaneous Receipts ...	52,248	7,851	60,099
Total ...	7,65,913	45,095	8,11,008
II.—INDIRECT RECEIPTS.			
Irrigation share of Land Revenue collected in the Civil Department.	94,48,792	6,83,812	1,01,32,604
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	5,73,685	69,197	6,42,882
Total ...	1,00,22,477	7,53,009	1,07,75,486
Total, Receipts ...	1,07,88,390	7,98,104	1,15,86,494
Note.—Loss to the canal on account of difference between assesssment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.			
Rs.			
To end of 1915-1916. 1,79,253			
Loss for 1915-1916... 9,852			
Total ... 1,89,105			
Grand Total ...	1,07,88,390	7,98,104	1,15,86,494

Charges.	Total. Previous.	1916-1917.	Total.
I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Head Works ...	...	167	167
2. Main Canals and Branches ...	12,979	3,089	16,068
3. Distributaries ...	69,586	3,756	73,342
Total ...	82,565	7,012	89,577
II.—MAINTENANCE AND REPAIRS.			
1. Head Works ...	62,399	5,334	67,733
2. Main Canals and Branches ...	11,58,397	88,163	12,46,560
3. Distributaries ...	10,34,181	80,216	11,14,397
4. Drainage and Protacive Works ...	1,024	...	1,024
Total ...	22,56,001	1,73,713	24,29,714
III.—COMPENSATION ...	...	...	...
IV.—ESTABLISHMENT.			
1 & 2. Direction and Accounts ...	1,33,009	9,729	1,42,738
3. Executive ...	17,27,162	1,27,312	18,54,474
Total ...	18,60,171	1,37,041	19,97,212
V.—TOOLS AND PLANT ...	59,995	4,880	64,875
Suspense Account ...	—4,098	1,572	—2,526
Total ...	42,54,634	3,24,218	45,78,852
Share of Collection Charges in the Civil Department ...	3,03,942	21,227	3,25,169
Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,61,353	19,186	2,80,539
Total, Charges ...	48,19,929	3,64,631	51,84,560
Balance Net Revenue ...	59,68,461	4,33,473	64,01,934
Grand Total...	1,07,88,390	7,98,104	1,15,86,494

N.B.—Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 1796, dated 28th August 1901. Completion Report approved in Government Resolution No. 1706, dated 30th June 1906.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 .	52,53,485	Net revenue realized to end of 1915-1916 ...	59,68,461
		Do. during 1916-1917 ...	4,33,473
Interest charges for the year 1916-1917 ...	2,79,444		64,01,934
		Balance net interest charges ...	—8,69,005
Total ...	55,32,929	Total ...	55,32,929

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	48,924	.....	48,924
2. Leave and Pension Allowances	2,02,309	5,487	2,07,796
Total ...	2,51,233	5,487	2,56,720
REVENUE—			
1. Capitalized abatement of Land Revenue	928	.....	928
2. Leave and Pension Allowances	2,60,425	19,186	2,79,611
Total ...	2,61,353	19,186	2,80,539

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	64,74,033	1,13,575	65,87,608	3,27,521	4,13,147	85,626	69,15,129	
Establishment ...	11,51,054	2,62,949	14,14,003	70,261	82,215	11,954	14,84,264	
Tools and Plant ...	1,81,762	—5,335	1,76,427	4,910	5,736	826	1,81,337	
Suspense Accounts ...	53	4,553	4,606	...	...	...	4,606	
Total ...	78,06,902	3,75,742	81,82,644	4,02,692	5,01,098	98,406	85,85,336	
Less—Receipts on Capital Account .	981	...	981	....	...	...	981	
Net Total ...	78,05,921	3,75,742	81,81,663	4,02,692	5,01,098	98,406	85,84,355	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	35,896	13,028	48,924	...	15,375	15,375	48,924	
Leave and Pension Allowances ...	1,61,148	36,812	1,97,960	9,836	11,510	1,674	2,07,796	
Total ...	1,97,044	49,840	2,46,884	9,836	26,885	17,049	2,56,720	
Grand Total ...	80,02,965	4,25,582	84,28,547	4,12,528	5,27,983	1,15,455	88,41,075	Estimate for constructing a flood diversion bund to protect the Nara Supply channel sanctioned in Government of India letter No. 596-I, dated 20th May 1915, communicated in Government Resolution, Public Works Department, No. W.I.—7159, dated 24th June 1915.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1916-17.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	4,134	.....	4,134	4,134	4,134
B. Land	39,338	.....	39,338	39,338	39,338
D. Regulators	2,00,254	.....	2,00,254	2,00,254	2,00,254
G. Bridges	91,352	.....	91,352	91,352	91,352
H. Escapes	13,077	.....	13,077	13,077	13,077
K. Buildings	89,030	.....	89,030	89,030	89,030
L. Earth-work	14,18,551	.....	14,18,551	14,18,551	14,18,551
O. Miscellaneous	7,086	.....	7,086	7,086	7,086
Total, Main Canals and Branches ...	18,62,822	.....	18,62,822	18,62,822	18,62,822
(3)—*Distributaries.*					
B. Land	1,511	872	2,383	5,738	20
C. Works	89,622	1,213	90,835	93,239	63,280
L. Earth-work	1,00,216	116	1,00,332	1,04,564	24,564
O. Miscellaneous	1,02,346	8,600	1,10,946	84,463	—2,812
Total, Distributaries ...	2,93,695	10,801	3,04,496	2,88,004	85,052
(4)—*Drainage and Protective Works.*					
L. Earth-work	14,590	.....	14,590	14,590	14,590
O. Miscellaneous	505	.....	505	505	505
Total, Drainage and Protective Works.	15,095	.....	15,095	15,095	15,095
Total, I.—Works ...	21,71,612	10,801	21,82,413	21,65,921	19,62,969
II.—Establishment.					
1 & 2. Direction and Accounts ...	1,04,607	908	1,05,515	3,84,097	98,346
3. Executive	2,53,275	3,430	2,56,705		2,31,611
5. Special Survey	12,721	.....	12,721		12,721
Total, Establishment ...	3,70,603	4,338	3,74,941	3,84,097	3,42,678
III.—Tools and Plant	19,004	302	19,306	19,015	16,979
Grand Total ...	25,61,219	15,441	25,76,660	25,69,033	23,22,626
V.—*Less*—Receipts on Capital Account.	34	.....	34	34	34
Net Outlay ...	25,61,185	15,441	25,76,626	25,68,999	23,22,592
Apportionment.					
Chargeable to 49—Irrigation ...	25,57,358	15,441	25,72,799	25,65,172	23,18,765
Do. 43—Minor Works and Navigation	3,827	.....	3,827	3,827	3,827
Total ...	25,61,185	15,441	25,76,626	25,68,999	23,22,592

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,309	—161	12,148
5. Plantations ...	6,075	330	6,405
6. Other canal produce ...	904	194	1,098
9. Rents of buildings.	2,016	510	2,526
10. Fines ...	4,152	71	4,223
11. Miscellaneous Receipts ...	11,500	186	11,686
Total ...	36,956	1,130	38,086
II.—INDIRECT RECEIPTS.			
Irrigation share of Land Revenue collected in the Civil Department ...	17,97,971	2,01,980	19,99,951
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 53-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	78,798	7,595	86,393
Total ...	18,76,769	2,09,575	20,86,344
Total, Receipts ...	19,13,725	2,10,705	21,24,430
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.			
Rs.			
To end of 1915-1916. 3,00,374			
Loss for 1916-1917 ... 17,100			
Total ... 3,17,474			
Grand Total ...	19,13,725	2,10,705	21,24,430

Charges.	Total. Previous.	1916-1917.	Total.
I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Head Works ...	1,447	...	1,447
2. Main Canals and Branches ...	53,983	5,986	59,969
3. Distributaries ...	...	252	252
Average expenditure before improvement ...	—72,303	—4,608	—76,911
Total ...	—16,873	1,630	—15,243
II.—MAINTENANCE AND REPAIRS.			
2. Main Canals and Branches ...	9,18,101	48,259	9,66,360
3. Distributaries ...	10,016	6,100	16,116
Total ...	9,28,117	54,359	9,82,476
IV.—ESTABLISHMENT.			
1 & 2. Direction and Accounts ...	46,814	2,918	49,732
3. Executive ...	1,48,046	16,996	1,65,042
Total ...	1,94,860	19,914	2,14,774
V.—TOOLS AND PLANT...	8,070	773	8,843
VI.—REFUNDS OF REVENUE ...	77	—5	72
Total ...	11,14,251	76,671	11,90,922
Share of Collection Charges in the Civil Department	87,982	12,135	1,00,117
Indirect Charges debitable to Revenue Account as per Account No. 5 ...	27,391	2,788	30,179
Total, Charges ...	12,29,624	91,594	13,21,218
Balance Net Revenue ...	6,84,101	1,19,111	8,03,212
Grand Total ...	19,13,725	2,10,705	21,24,430

N. B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	13,14,712	Net revenue realized to end of 1915-1916 ...	6,84,101
		Do. during 1916-1917 ...	1,19,111
			8,03,212
Interest charges for the year 1916-1917 ...	84,681	Balance net Interest charges	5,96,181
Total ...	13,99,393	Total ...	13,99,393

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	41,278	.....	41,278
2. Leave and Pension Allowances	51,884	607	52,491
Total ...	93,162	607	93,769
REVENUE—			
1. Capitalized abatement of Land Revenue	111	.....	111
2. Leave and Pension Allowances	27,280	2,788	30,068
Total ...	27,391	2,788	30,179

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	18,99,648	63,321	19,62,969	2,19,444	2,02,952	—16,492	21,82,413	
Establishment ...	3,16,663	26,015	3,42,678	32,263	41,419	9,156	3,74,941	
Tools and Plant ...	16,579	400	16,979	2,327	2,036	—291	19,306	
Total ...	22,32,890	89,736	23,22,626	2,54,034	2,46,407	—7,627	25,76,660	
Less—Receipts on Capital Account ...	34	...	34	...	...	...	34	
Net Total ...	22,32,856	89,736	23,22,592	2,54,034	2,46,407	—7,627	25,76,626	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	40,168	1,110	41,278	...	3,025	3,025	41,278	
Leave and Pension Allowances ...	44,333	3,642	47,975	4,516	5,799	1,283	52,491	
Total ...	84,501	4,752	89,253	4,516	8,824	4,308	93,769	
Grand Total ...	23,17,357	94,488	24,11,845	2,58,550	2,55,231	—3,319	26,70,395	Revised Estimate of the Ren Distributary sanctioned by the Government of India—*vide* No. 979-I, dated 26th June 1914, communicated in Government Resolution No. W. I.-9017, dated 12th August 1914 ... ... Rs. 2,55,231

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,653	...	1,653	1,653	1,653
B. Land	40,950	—9	40,941	40,941	40,941
D. Regulators	1,84,574	...	1,84,574	1,84,574	1,84,574
G. Bridges	67,852	...	67,852	67,852	67,852
K. Buildings	69,315	...	69,315	69,315	69,315
L. Earth-work	9,78,967	...	9,78,967	9,78,967	9,78,967
O. Miscellaneous	4,430	...	4,430	4,430	4,430
Total, Main Canals and Branches ...	13,47,741	—9	13,47,732	13,47,732	13,47,732
(3)—*Distributaries.*					
B. Land	576	...	576	576	576
C. Works	1,38,669	...	1,38,669	1,38,669	1,38,669
L. Earth-work	73,188	...	73,188	73,188	73,188
O. Miscellaneous	—4,932	—8,653	—13,585	—13,585	—13,585
Total, Distributaries ...	2,07,501	—8,653	1,98,848	1,98,848	1,98,848
(4)—*Drainage and Protective Works.*					
L. Earth-work	4,398	...	4,398	4,398	4,398
O. Miscellaneous	377	...	377	377	377
Total, Drainage and Protective Works ...	4,775	...	4,775	4,775	4,775
Total, I.—Works ...	15,60,017	—8,662	15,51,355	15,51,355	15,51,355
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	76,679	...	76,679	76,679	76,679
3. Executive	1,75,468	...	1,75,468	1,75,468	1,75,468
5. Special Survey	1,263	...	1,263	1,263	1,263
Total, Establishment ...	2,53,410	...	2,53,410	2,53,410	2,53,410
III.—TOOLS AND PLANT	6,875	...	6,875	6,875	6,875
Grand Total ...	18,20,302	—8,662	18,11,640	18,11,640	18,11,640
V.—*Less*—Receipts on Capital Account ...	158	...	158	158	158
Net Outlay ...	18,20,144	—8,662	18,11,482	18,11,482	18,11,482
APPORTIONMENT.					
Chargeable to 49.—Irrigation	18,20,144	—8,662	18,11,482	18,11,482	18,11,482

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	—541	380	—161				
3. Sales of water ...	98	...	98	2. Main Canals and Branches	59,559	2,066	61,625
5. Plantations ...	2,153	199	2,352				
6. Other canal produce	979	352	1,331				
8. Navigation ...	3	10	13	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1,146	499	1,645				
10. Fines	3,246	582	3,828				
11. Miscellaneous Receipts	2,851	301	3,152	2. Main Canals and Branches	8,15,439	84,947	9,00,386
Total ...	9,935	2,323	12,258				
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	55,950	5,025	60,975
Irrigation share of Land Revenue collected in the Civil Department ...	19,45,747	2,02,436	21,48,183	3. Executive	1,41,463	24,568	1,66,031
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	98,225	12,797	1,11,022	Total ...	1,97,413	29,593	2,27,006
				V.—TOOLS AND PLANT ...	7,328	795	8,123
				Total ...	10,79,739	1,17,401	11,97,140
Total ...	20,43,972	2,15,233	22,59,205	Share of Collection Charges in the Civil Department	1,16,256	12,212	1,28,468
Total, Receipts ...	20,53,907	2,17,556	22,71,463				
Note.—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Indirect charges debitable to Revenue Account as per Account No. 5	27,670	4,145	31,815
				Total, Charges ...	12,23,665	1,33,758	13,57,423
Rs.							
To end of 1915-1916...23,357							
Loss for 1916-1917 ... 2,180				Balance Net Revenue ...	8,30,242	83,798	9,14,040
Total ...25,537							
Grand Total ..	20,53,907	2,17,556	22,71,463	Grand Total ...	20,53,907	2,17,556	22,71,463

N. B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916. ...	8,55,551	Net revenue realized to end of 1915-1916 ...	8,30,242
		Do. during 1916-1917 ...	83,798
			9,14,040
Interest charges for the year 1916-1917. ...	59,856	Balance net Interest charges	1,367
Total ...	9,15,407	Total ...	9,15,407

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	22,158	591	22,749
2. Leave and Pension Allowances	35,477	.....	35,477
Total ...	57,635	591	58,226
REVENUE—			
1. Capitalized abatement of Land Revenue	31	2	33
2. Leave and Pension Allowances	27,639	4,143	31,782
Total ...	27,670	4,145	31,815

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	15,71,638	—20,283	15,51,355				15,51,355	
Establishment ...	2,23,469	29,941	2,53,410				2,53,410	
Tools and Plant ...	5,046	1,829	6,875				6,875	
Total ...	18,00,153	11,487	18,11,640				18,11,640	
Less—Receipts on Capital Account	158	...	158				158	
Net Total ...	17,99,995	11,487	18,11,482				18,11,482	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	15,098	7,651	22,749				22,749	
Leave and Pension Allowances	31,285	4,192	35,477				35,477	
Total ...	46,383	11,843	58,226				58,226	
Grand Total ...	18,46,378	23,330	18,69,708				18,69,708	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

NAULA'KHI CANAL.

CANAL PROJECT.

No. 4.—*Interest Account for, and to end of,* 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916 ...	2,269	Net revenue realized to end of 1915-1916 ...	...
Interest charges for the year 1916-1917 ...	169	Do. during 1916-1917 ...	...
		Balance net Interest charges	... 2,438
Total ...	2,438	Total ...	2,438

No. 6.—*Statement comparing Charges to date with sanctioned Estimates.*

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	...	...	...	4,876	9,72,019	9,67,143	4,876	Project sanctioned by the Secretary of State in Despatch No. 51—P. W., dated 5th December 1895, communicated in Government of India's No. 5—L, dated 14th January 1896—*vide* Government Resolution No. W. I.—145 dated 30th idem. The date for the construction of the work extended for a further period of 5 years from 6th December 1910, *vide* Government of India's letter No. 1270—I., dated 21st December 1910, communicated in Government Resolution (P. W.) No. 79, dated 17th January 1911.
Establishment	...	...	...	236	2,31,493	2,31,257	236	
Tools and Plant ...	...	...	...	...	14,423	14,423	...	
Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
Less.—Receipts on Capital Account	...	...	...	...	...	...	...	
Net Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	...	12,470	12,470	...	
Leave and Pension Allowances	...	...	...	33	32,149	32,116	33	
Total ...	...	...	...	33	44,619	44,586	33	
Grand Total ...	...	...	...	5,145	12,62,554	12,57,409	5,145	

N. B.—Last Capital Account detailed in the administrative accounts for 1903-1904.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,76,263	28,419	9,04,682	1. Head Works ...	11,299	...	11,299
3. Sales of water ...	1,289	44	1,333	2. Main Canals and Branches	51,859	2,382	54,241
4. Water-supply of towns	1,344	...	1,344	3. Distributaries ...	6,411	84	6,495
5. Plantations ...	55,194	246	59,836	Total ...	69,569	2,466	72,035
6. Other Canal Produce		4,396					
9. Rents of Buildings.	29	7	36				
10. Fines	353	6	359				
11. Miscellaneous Receipts	20,690	1,421	22,111	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works	61,770	9,653	71,423
				2. Main Canals and Branches	2,69,972	9,700	2,79,672
Total ...	9,55,162	34,539	9,89,701	3. Distributaries ...	70,612	3,282	73,894
				4. Drainage and Protective Works ...	4,402	...	4,402
II.—INDIRECT RECEIPTS.				Total ...	4,06,756	22,635	4,29,391
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	3,615	...	3,615
				IV.—ESTABLISHMENT.			
Total, Receipts ...	9,55,162	34,539	9,89,701	1 & 2. Direction and Accounts	21,802	1,130	22,932
				3. Executive	1,86,039	8,950	1,94,989
				Total ...	2,07,841	10,080	217,921
				V.—TOOLS AND PLANT ...	7,326	377	7,703
				Profit and Loss	186	...	186
				VI.—REFUNDS OF REVENUE	3,352	296	3,648
				Total ...	6,98,645	35,854	7,34,499
				Share of Collection Charges in the Civil Department	43,839	1,421	45,260
				Indirect Charges debitable to Revenue Account as per Account No. 5	31,557	1,411	32,968
				Total, Charges ...	7,74,041	38,686	8,12,727
				Balance Net Revenue ...	1,81,121	—4,147	1,76,974
Grand Total ...	9,55,162	34,539	9,89,701	Grand Total ...	9,55,162	34,539	9,89,701

N. B.—Last Capital Account detailed in the Administrative Accounts for 1914-15 and No. 6 in the Administrative Accounts for 1915-16.

Construction Estimate of the Hathmati Canal closed in 1883-84 and that of the Khári Cut Canal closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893, *vide* also Government Resolution No. 2902 of 10th December 1909.

Completion Report of the Khári Cut Canal approved in Government Resolution No. 683 of 16th April 1894.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916.	9,80,813	Net revenue realized to end of 1915-1916.	1,81,121
		Do. during 1916-1917.	—4,147
			1,76,974
Interest charges for the year 1916-1917	40,908	Balance net Interest charges ...	8,44,747
Total ..	10,21,721	Total ...	10,21,721

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	825	.....	825
2. Leave and Pension Allowances	30,732	1,411	32,143
Total ...	31,557	1,411	32,968

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	3,76,726	12,539	3,89,265	1. Head Works ...	1,376	52	1,428
				2. Main Canals and Branches	19,388	1,499	20,887
3. Sales of water ...	440	...	440	3. Distributaries ...	9,358	...	9,358
5. Plantations ...	16,908	569	19,058	Total ...	30,122	1,551	31,673
6. Other Canal Produce		1,581		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	20	...	20	1. Head Works ...	31,588	725	32,313
10. Fines	498	5	503	2. Main Canals and Branches	14,105	996	15,101
				3. Distributaries ...	69,721	533	70,254
11. Miscellaneous Receipts	5,749	8	5,757	4. Drainage and Protective Works ...	2,728	...	2,728
Total ...	4,00,341	14,702	4,15,043	Total ...	1,18,142	2,254	1,20,396
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	9,404	168	9,572
Irrigation share of Land Revenue collected in the Civil Department.	2,05,598	3,245	2,08,843	3. Executive	86,187	1,521	87,708
				Total ...	95,591	1,689	97,280
Total, Receipts ...	6,05,939	17,947	6,23,886	V.—TOOLS AND PLANT ...	2,461	56	2,517
				Profit and Loss	19	...	19
				VI.—REFUNDS OF REVENUE	3,896	...	3,896
				Suspense Account ...	140	...	140
				Total ...	2,50,371	5,550	2,55,921
				Share of Collection Charges in the Civil Department	52,576	1,368	53,944
				Indirect Charges debitable to Revenue Account as per Account No. 5	13,866	269	14,135
				Total Charges ...	3,16,813	7,187	3,24,000
				Balance Net Revenue ...	2,89,126	10,760	2,99,886
Grand Total ...	6,05,939	17,947	6,23,886	Grand Total ...	6,05,939	17,947	6,23,886

N.B.—Last Capital Account detailed in the Administrative Accounts for 1898-99.
Construction Estimate closed on 31st March 1895—*vide* Government Resolution No. 148, dated 31st January 1896.
Completion Report approved in Government Resolution No. 1392, dated 3rd October 1896.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

Lower Pánjhra River Works.

Tank Project.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	7,66,858	Net revenue realized to end of 1915-1916	2,89,126
		Do. during 1916-1917 ...	10,760
			2,99,886
Interest charges for the year 1916-1917.	14,681	Balance net Interest charges	4,81,653
Total ...	7,81,539	Total ...	7,81,539

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	61	33	94
2. Leave and Pension Allowances	13,805	236	14,041
Total ...	13,866	269	14,135

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KADWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,79,869	28,179	5,08,048	I.—EXTENSIONS AND IMPROVEMENTS.			
3. Sales of water ...	446	2	448	1. Head Works ...	3,787	20	3,807
5. Plantations ...	18,615	27	20,913	2. Main Canals and Branches ...	3,549	...	3,549
6. Other canal produce ...		2,271		3. Distributaries ...	342	...	342
9. Rents of buildings	231	10	241	Total ...	7,678	20	7,698
10. Fines ...	639	4	643	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	5,708	431	6,139	1. Head Works ...	34,439	2,440	36,879
				2. Main Canals and Branches ...	1,24,239	4,166	1,28,405
Total ...	5,05,508	30,924	5,36,432	3. Distributaries ...	11,186	851	12,037
				Total ...	1,69,864	7,457	1,77,321
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
Enhanced Land Revenue as per Government Resolution No. 428, dated 6th August 1875...	24,351	594	24,945	1 & 2. Direction and Accounts ...	12,932	330	13,262
				3. Executive	1,95,750	5,834	2,01,584
Total ...	24,351	594	24,945	Total ...	2,08,682	6,164	2,14,846
Total, Receipts ...	5,29,859	31,518	5,61,377	V.—TOOLS AND PLANT ...	5,061	110	5,171
Carried over ...	5,29,859	31,518	5,61,377	Carried over ...	3,91,285	13,751	4,05,036

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KA'DVA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	5,29,859	31,518	5,61,377	Brought forward...	3,91,285	13,751	4,05,036
				VI.—REFUNDS OF REVENUE	429	...	429
				Total ...	3,91,714	13,751	4,05,465
				Share of Collection Charges in the Civil Department .	24,134	1,410	25,544
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	30,183	863	31,046
				Total, Charges	4,46,031	16,024	4,62,055
				Balance Net Revenue ...	83,828	15,494	99,322
Grand Total ...	5,29,859	31,518	5,61,377	Grand Total ...	5,29,859	31,518	5,61,377

N. B.—Last Capital Account detailed in the Administrative Accounts for 1910-11.
Construction Estimate closed on 31st March 1908—*vide* Government Resolution No. 2245, dated 25th August 1908.
Completion Report approved in Government Resolution No. 1041, dated 29th April 1910.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	10,78,519	Net revenue realized to end of 1915-1916	83,828
		Do. during 1916-1917.	15,494
			99,322
Interest charges for the year 1916-1917.	32,032	Balance net Interest charges ...	10,11,229
Total ...	11,10,551	Total ...	11,10,551

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	11	.....	11
2. Leave and Pension Allowances	30,172	863	31,035
Total ...	30,183	863	31,046

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LA'KH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	57,100	989	58,089	1. Head Works ...	629	...	629
3. Sales of Water ...	43	3	46				
5. Plantations ...	12,512	107	13,168	2. Main Canals and Branches ...	86	...	86
6. Other Canal produce ...		549					
9. Rents of Buildings	80	4	84				
10. Fines	150	16	166	Total ...	715	...	715
11. Miscellaneous Receipts... ...	696	15	711	II.—MAINTENANCE AND REPAIRS.			
Total ...	70,581	1,683	72,264	1. Head Works ...	10,574	...	10,574
				2. Main Canals and Branches	1,34,821	1,356	1,36,177
				3. Distributaries ...	4,950	...	4,950
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	1,50,345	1,356	1,51,701
Revenue from "Galper" land treated as Land Revenue —*vide* Government Resolution No. 1829, dated 21st November 1893 ...	5,526	225	5,751	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	10,819	61	10,880
				3. Executive ...	1,37,249	870	1,38,119
Total ...	5,526	225	5,751	Total ...	1,48,068	931	1,48,999
Total, Receipts ...	76,107	1,908	78,015	V.—TOOLS AND PLANT ...	2,759	20	2,779
Carried over ...	76,107	1,908	78,015	Carried over ...	3,01,887	2,307	3,04,194

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LÁKH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	76,107	1,908	78,015	Brought forward ...	3,01,887	2,307	3,04,194
				VI.—REFUNDS OF REVENUE ...	116	...	116
				Total ...	3,02,003	2,307	3,04,310
				Share of Collection Charges in the Civil Department .	3,411	73	3,484
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,387	130	22,517
				Total, Charges ...	3,27,801	2,510	3,30,311
				Balance Net Revenue ...	—2,51,694	—602	—2,52,296
Grand Total ...	76,107	1,908	78,015	Grand Total ...	76,107	1,908	78,015

N.B.—Last Capital Account detailed in the Administrative Accounts for 1894-95.
Construction Estimate closed on 31st March 1894—*vide* Government Resolution No. 1707, dated 2nd November 1894.
Completion Report approved in Government Resolutions No. 87, dated 20th January 1896, and No. 1187, dated 17th August 1896.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
		Net revenue realized to end of 1915-16...	—2,51,694
Total Interest charges to end of 1915-1916	6,45,219	Do. , during 1916-17...	—602
			—2,52,296
Interest charges for the year 1916-1917	11,618	Balance net Interest charges ...	9,09,133
Total ...	6,56,837	Total ...	6,56,837

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	22,387	130	22,517

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) *Head Works.*					
A. Preliminary Expenses	8,391	...	8,391	8,391	8,391
B. Land	3,53,177	...	3,53,177	3,53,177	3,53,177
C. Masonry Works	28,90,673	...	28,90,673	28,90,673	28,90,673
K. Buildings	17,287	...	17,287	17,287	17,287
M. Plantations	3,059	...	3,059	3,059	3,059
O. Miscellaneous	820	...	820	820	820
P. Maintenance	1,231	...	1,231	1,231	1,231
Total, Head Works ...	32,74,638	...	32,74,638	32,74,638	32,74,638
(2) *Main Canals and Branches.*					
A. Preliminary Expenses... ...	2,828	...	2,828	2,828	2,828
B. Land	1,26,843	...	1,26,843	1,26,843	1,26,843
C (*a*). Regulators	37,342	...	37,342	37,342	37,342
C (*c*). River and Hill Torrent Works...	5,21,670	...	5,21,670	5,21,670	5,21,670
C (*e*). Bridges	1,02,670	...	1,02,670	1,02,670	1,02,670
C (*f*). Escapes	18,120	...	18,120	18,120	18,120
J. Mills	56,415	...	56,415	56,415	56,415
K. Buildings	10,111	...	10,111	10,111	10,111
L. Earth-work	9,89,763	...	9,89,763	9,89,763	9,89,763
M. Plantations	16,011	...	16,011	16,011	16,011
O. Miscellaneous	1,868	...	1,868	1,868	1,868
P. Maintenance	4,566	...	4,566	4,566	4,566
Total, Main Canals and Branches ...	18,88,207	...	18,88,207	18,88,207	18,88,207
Carried over ...	51,62,845	...	51,62,845	51,62,845	51,62,845

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	51,62,845	...	51,62,845	51,62,845	51,62,845
(3) *Distributaries.*					
A. Preliminary Expenses	6,740	...	6,740	6,740	6,740
B. Land	5,666	...	5,666	5,666	5,666
C. Masonry Works	2,62,202	38,908	3,01,110	2,82,087	1,28,387
L. Earth-work	73,961	...	73,961	73,961	73,961
M. Plantations	407	...	407	407	407
O. Miscellaneous	8,15,513	(a)—13,954	8,01,559	8,01,559	8,01,559
Total, Distributaries ...	11,64,489	24,954	11,89,443	11,70,420	10,16,720
(4) *Drainage and Protective Works.*					
B. Land	7,328	...	7,328	7,328	7,328
L. Earth-work	1,188	...	1,188	1,188	1,188
Total, Drainage and Protective Works.	8,516	...	8,516	8,516	8,516
Total, I.—Works ...	63,35,850	24,954	63,60,804	63,41,781	61,88,081
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,79,805	1,751	2,81,556	} 11,17,213	{ 2,73,784
3. Executive	8,54,955	6,615	8,61,570		8,32,206
4. Medical	146	...	146		145
Total, II.—Establishment ...	11,34,906	8,366	11,43,272	11,17,213	11,06,136
III.—TOOLS AND PLANT	1,27,510	583	1,28,123	1,26,306	1,25,533
IV.—SUSPENSE ACCOUNTS ...	—1,136	...	—1,136	—1,136	—1,136
Grand Total ...	75,97,160	33,903	76,31,063	75,84,164	74,18,614
V.—*Less* Receipts on Capital Account.	12,328	...	12,328	12,328	12,328
Net Outlay ...	75,84,832	33,903	76,18,735	75,71,836	74,06,286
Apportionment.					
Chargeable to—					
49.—Irrigation	57,98,412	...	57,98,412	57,98,412	57,98,412
43.—Minor Works and Navigation.	17,86,420	33,903	18,20,323	17,73,424	16,07,874
Total ...	75,84,832	33,903	76,18,735	75,71,836	74,06,286

(a) Expenditure incurred on the Experimental Paterson Filter during the year 1914-15 has now been written back as per Government Order No. A.—3576, dated 31st March 1917, and debited to—

	Rs.
1. Experimental Paterson Filter Plant in the Poona Cantonment Water Works compound—45-Civil Works—Provincial	9,514
2. Maintenance and Repairs—Poona Water Supply—42.—Major Works—Working Expenses ...	190
3. Dapuri Central Stores—45.—Civil Works—Provincial	4,250
	13,954

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	55,54,655	2,29,517	57,84,172	1. Head Works ...	27,264	496	27,760
3. Sales of water ...	91,487	11,692	1,03,179				
4. Water-supply of towns ...	42,42,946	1,69,696	44,12,642	2. Main Canals and Branches ...	29,402	2,596	31,998
5. Plantations ...	1,15,670	2,652	1,21,932	3. Distributaries ...	79,505	...	79,505
6. Other canal produce ...		3,610					
7. Water power ...	64,800	...	64,800	4. Drainage and Protective Works ...	4,270	401	4,671
8. Navigation ...	20	9	29				
9. Rents of buildings	4,798	199	4,997	Total ...	1,40,441	3,493	1,43,934
10. Fines ...	157	15	172				
11. Miscellaneous receipts ...	1,79,245	10,003	1,89,248				
Total ...	1,02,53,778	4,27,393	1,06,81,171	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	1,12,687	4,365	1,17,052
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	6,61,796	20,424	6,82,220
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Distributaries ...	8,58,410	67,704	9,26,114
				4. Drainage and Protective Works ...	...	110	110
Irrigation share on account of percolation from the Canal —*vide* Government Resolutions Nos. 1159 and 1539, dated, respectively 21st July and 29th September 1892 ...	1,008	...	1,008	Total ...	16,32,893	92,603	17,25,496
				III.—COMPENSATION ...	494	...	494
Total ...	1,008	...	1,008	IV.—ESTABLISHMENT.			
Total, Receipts ...	1,02,54,786	4,27,393	1,06,82,179	1 & 2. Direction and Accounts.	1,16,005	3,144	1,19,149
				3. Executive ...	11,41,541	51,987	11,93,528
				Total ...	12,57,546	55,131	13,12,677
				V.—TOOLS AND PLANT ...	1,40,626	5,520	1,46,146
Carried over ...	1,02,54,786	4,27,393	1,06,82,179	Carried over ...	31,72,000	1,56,747	33,28,747

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	1,02,54,786	4,27,393	1,06,82,179	Brought forward ...	31,72,000	1,56,747	33,28,747
				VI.—REFUNDS OF REVENUE .	22,087	60	22,147
				Total ...	31,94,087	1,56,807	33,50,894
				Share of Collection Charges in the Civil Department .	2,75,431	11,328	2,86,759
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,80,813	7,718	1,88,531
				Total, Charges ...	36,50,331	1,75,853	38,26,184
				Balance Net Revenue ...	66,04,455	2,51,540	68,55,995
Grand Total ...	1,02,54,786	4,27,393	1,06,82,179	Grand Total ...	1,02,54,786	4,27,393	1,06,82,179

N.B.—Construction Estimate of the Mutha Canal closed on 31st March 1897—*vide* Government Resolution No. 710, dated 13th May 1897; and that of the Mátoba Tank on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report of the Mutha Canal approved in Government Resolution No. 2241 of 30th October 1901 and that of the Mátoba Tank in Government Resolution No. 827 of 17th May 1894.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	1,05,05,550	Net revenue realized to end of 1915-1916	66,04,455
Interest charges for the year 1916-1917.	2,50,585	Do. during 1916-1917.	2,51,540
			68,55,995
		Balance net Interest charges ...	39,00,140
Total ...	1,07,56,135	Total ...	1,07,56,135

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	93,528	.....	93,528
2. Leave and Pension Allowances	2,06,803	1,171	2,07,974
Total ...	3,00,331	1,171	3,01,502
REVENUE—			
2. Leave and Pension Allowances	1,80,813	7,718	1,88,531

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	54,32,020	7,56,061	61,88,081	1,72,723	1,53,700	—19,023	63,60,804	
Establishment ...	10,12,260	93,876	11,06,136	37,136	11,077	—26,059	11,43,272	
Tools and Plant ...	1,19,987	5,546	1,25,533	2,590	773	—1,817	1,28,123	
Suspense Accounts ...	...	—1,136	—1,136	...	...	...	—1,136	
Total ...	65,64,267	8,54,347	74,18,614	2,12,449	1,65,550	—46,899	76,31,063	
Less—Receipts on Capital Account ...	12,234	94	12,328	...	...	...	12,328	
Net Total ...	65,52,033	8,54,253	74,06,286	2,12,449	1,65,550	—46,899	76,18,735	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	58,776	34,752	93,528	...	...	...	93,528	
Leave and Pension Allowances... ...	1,89,546	13,229	2,02,775	5,199	1,550	—3,649	2,07,974	
Total ...	2,48,322	47,981	2,96,303	5,199	1,550	—3,649	3,01,502	
Grand Total ...	68,00,355	9,02,234	77,02,589	2,17,648	1,67,100	—50,548	79,20,237	

Government Resolution (Public Works Department), No. A. I.-13125, dated 4th December 1915.

NOTE.—Excess over estimate has been dealt with in the Revised Estimate sent to the Government of India for sanction.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
1. Water-rates from Irrigation ...	5,75,507	21,365	5,96,872	I.—EXTENSIONS AND IMPROVEMENTS.			
3. Sales of water ...	2,68,338	33,135	3,01,473				
4. Water-supply of towns... ...	2,37,695	12,677	2,50,372	1. Head Works	5,052	...	5,052
5. Plantations ...	1,47,335	900	1,53,294	2. Main Canals and Branches	43,884	280	44,164
6. Other Canal produce ...		5,059		3. Distributaries	1,075	...	1,075
9. Rents of Buildings	310	36	346				
11. Miscellaneous Receipts ...	25,823	408	26,231	Total ...	50,011	280	50,291
Total ..	12,55,008	73,580	13,28,588	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works	87,391	1,813	89,204
				2. Main Canals and Branches	2,45,185	4,139	2,49,324
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Distributaries	5,906	174	6,080
				Total ...	3,38,482	6,126	3,44,608
Total, Receipts ..	12,55,008	73,580	13,28,588	III.—COMPENSATION ...	69	...	69
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	29,957	289	30,246
				3. Executive	2,12,231	4,008	2,16,239
				Total ...	2,42,188	4,297	2,46,485
				V.—TOOLS AND PLANT ...	6,896	96	6,992
Carried over ...	12,55,008	73,580	13,28,588	Carried over ...	6,37,646	10,799	6,48,445

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	12,55,008	73,580	13,28,588	Brought forward ...	6,37,646	10,799	6,48,445
				VI.—REFUNDS OF REVENUE.	1,145	12	1,157
				Suspense Account ...	—71	...	—71
				Total ...	6,38,720	10,811	6,49,531
				Share of Collection Charges in the Civil Department...	30,731	1,068	31,799
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	37,882	602	38484
				Total Charges ...	7,07,333	12,481	7,19,814
				Balance Net Revenue ...	5,47,675	61,099	6,08,774
Grand Total ...	12,55,008	73,580	13,28,588	Grand Total ...	12,55,008	73,580	13,28,588

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-1896.
Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	21,85,128	Net revenue realized to end of 1915-1916	5,47,675
Interest charges for the year 1916-1917.	40,484	Do. during 1916-1917.	61,099
			6,08,774
		Balance net Interest charges ...	16,16,838
Total ...	22,25,612	Total ...	22,25,612

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	37,882	602	38,484

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1892).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	633	...	633	633	633
C. Works	2,03,416	1,560	2,04,976	2,07,072	1,45,889
K. Buildings	1,430	...	1,430	1,430	1,430
Total, Head Works ...	2,05,479	1,560	2,07,039	2,09,125	1,47,952
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,649	...	1,649	1,649	1,649
B. Land	16,740	...	16,740	16,740	16,740
F. River and Hill Torrent Works ...	1,95,671	...	1,95,671	1,95,671	1,95,671
G. Bridges	32,208	...	32,208	32,208	32,208
K. Buildings	12,100	...	12,100	12,100	12,100
L. Earth-work	2,32,717	...	2,32,717	2,32,717	2,32,717
M. Plantations	882	...	882	882	882
O. Miscellaneous	513	...	513	513	513
P. Maintenance	3,423	...	3,423	3,423	3,423
Total, Main Canals and Branches ...	4,95,903	...	4,95,903	4,95,903	4,95,903
(3)—*Distributaries.*					
B. Land	562	...	562	562	562
C. Works	16,279	...	16,279	16,279	16,279
L. Earth-work	12,442	...	12,442	12,442	12,442
M. Plantations	2,897	...	2,897	2,897	2,897
Total, Distributaries ...	32,180	...	32,180	32,180	32,180
Total, I.—Works ...	7,33,562	1,560	7,35,122	7,37,218	6,76,035
II.—Establishment.					
1 & 2. Direction and Accounts ...	36,615	70	36,685	1,55,459	33,980
3. Executive	1,18,320	265	1,18,585		1,08,540
Total, Establishment ...	1,54,935	335	1,55,270	1,55,459	1,42,520
III.—Tools and Plant	2,544	24	2,568	2,585	1,682
Grand Total ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237
V.—*Less*—Receipts on Capital Account.	.....	...	.....	.....	.....
Net Outlay ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237
Apportionment.					
Chargeable to 49.—Irrigation ...	8,18,545	...	8,18,545	8,18,545	8,18,545
Chargeable to 43.—Minor Works and Navigation	72,496	1,919	74,415	76,717	1,692
Total ...	8,91,041	1,919	8,92,960	8,95,262	8,20,237

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	15,28,916	83,395 (a) 2,828	16,15,139	1. Head Works	1,789	...	1,789
3. Sales of water ...	66	...	66	2. Main Canals and Branches	4,841	...	4,841
4. Water-supply of towns ...	6,232	...	6,232	3. Distributaries	565	...	565
5. Plantations ...	79,978	...	82,750				
6. Other Canal produce ...		2,772		Total ...	7,195	...	7,195
9. Rents of Buildings	2,396	120	2,516				
11. Miscellaneous Receipts ...	385	7	392	II.—MAINTENANCE AND REPAIRS.			
Total ...	16,17,973	89,122	17,07,095	1. Head Works	15,262	60	15,322
				2. Main Canals and Branches	3,06,243	6,417	3,12,660
				3. Distributaries	25,012	...	25,012
				4. Drainage and Protective Works ...	395	...	395
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	3,46,912	6,477	3,53,389
				III.—COMPENSATION ...	19,011	(a) 404	19,415
Total, Receipts ...	16,17,973	89,122	17,07,095				
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ..	16,479	291	16,770
				3. Executive	2,08,778	2,910	2,11,688
				Total ...	2,25,257	3,201	2,28,458
				V.—TOOLS AND PLANT ...	4,953	97	5,050
Carried over ...	16,17,973	89,122	17,07,095	Carried over ...	6,03,328	10,179	6,13,507

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	16,17,973	89,122	17,07,095	Brought forward ...	6,03,328	10,179	6,13,507
(a) Amount adjusted by credit to water-rates and debit *per contra* on account of the following charges recovered by the Native States from water-rate collection :—				VI.—REFUNDS OF REVENUE	1,471	1	1,472
Loss of assessments on account of land taken up for the Canals, debited to III.—Compensation— Rs.				Total ...	6,04,799	10,180	6,14,979
Sangli State ... 252				Share of Collection Charges in the Civil Department	95,041	3,048 / (a) 2,424	1,00,513
Pant Pratinidhi... 152							
404				Indirect charges debitable to Revenue Account as per Account No. 5 ...	37,385	448	37,833
Collection charges— Rs.							
Pant Pratinidhi— For recovery of water-rates . 2,187				Total, Charges ...	7,37,225	16,100	7,53,325
Sangli State— For recovery of water-rates . 237				Balance Net Revenue ...	8,80,748	73,022	9,53,770
2,424							
Total ... 2,828							
Grand Total ...	16,17,973	89,122	17,07,095	Grand Total ...	16,17,973	89,122	17,07,095

N.B.—Construction Estimate closed on 31st March 1892, *vide* Government Resolution No. 777, dated 14th May 1892. Completion Report approved in Government Resolution No. 119, dated 22nd January 1894.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916	15,29,116	Net revenue realized to end of 1915-1916	8,80,748
Interest charges for the year 1916-1917 .	29,404	Do. during 1916-1917.	73,022
			9,53,770
		Balance net Interest charges	6,04,750
Total ...	15,58,520	Total ...	15,58,520

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	21,822	.....	21,822
2. Leave and Pension Allowances	29,613	47	29,660
Total ...	51,435	47	51,482

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.—continued.

Particulars.	Previous.	1915-1916.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	64	.....	64
2. Leave and Pension Allowances	37,321	448	37,769
Total ...	37,385	448	37,833

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate sanctioned in Government of India, Public Works Department, No. 333-I., dated 30th March 1916, communicated in Government Order No. W.I.-4725 (Public Works Department), dated 4th May 1916.
Works ...	6,60,941	15,094	6,76,035	59,087	61,183	2,096	7,35,122	
Establishment ...	1,39,464	3,056	1,42,520	12,750	12,939	189	1,55,270	
Tools and Plant ...	1,682	...	1,682	886	903	17	2,568	
Suspense Accounts ...	...	...	...	...	...	...	...	
Total ...	8,02,087	18,150	8,20,237	72,723	75,025	2,302	8,92,960	
Less—Receipts on Capital Account ...	...	...	...	...	...	...	...	
Net Total ...	8,02,087	18,150	8,20,237	72,723	75,025	2,302	8,92,960	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	17,222	4,600	21,822	...	...	...	21,822	
Leave and Pension Allowances ...	27,446	428	27,874	1,786	1,811	25	29,660	
Total ...	44,668	5,028	49,696	1,786	1,811	25	51,482	
Grand Total ...	8,46,755	23,178	8,69,933	74,509	76,836	2,327	9,44,442	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	40,856	1,280	42,136				
5. Plantations ...	19,072	8	20,705	1. Head Works ...	15,425	...	15,425
6. Other canal produce		1,625		2. Main Canals and Branches ...	1,32,686	575	1,33,261
9. Rents of Buildings.	4,473	12	4,485	3. Distributaries ...	863	...	863
10. Fines	5,188	225	5,413				
11. Miscellaneous Receipts	33,227	324	33,551				
Total ...	1,02,816	3,474	1,06,290	Total ...	1,48,974	575	1,49,549
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	50,67,222	2,18,587	52,85,809	1. Head Works ...	6,627	...	6,627
				2. Main Canals and Branches ...	14,73,698	43,909	15,17,607
4 per cent. on $\frac{2}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889...	16,371	845	17,216	Total ...	14,80,325	43,909	15,24,234
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	95,689	1,618	97,307
				3. Executive	3,48,462	7,788	3,56,250
Total ...	50,83,593	2,19,432	53,03,025	Total ...	4,44,151	9,406	4,53,557
Total, Receipts ...	51,86,409	2,22,906	54,09,315	V.—TOOLS AND PLANT ...	19,554	130	19,684
Carried over ...	51,86,409	2,22,906	54,09,315	Carried over ...	20,93,004	54,020	21,47,024

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	51,86,409	2,22,906	54,09,315	Brought forward ...	20,93,004	54,020	21,47,024
				VI.—REFUNDS OF REVENUE	119	...	119
				Total ...	20,93,123	54,020	21,47,143
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :— Rs. To end of 1915-1916. 2,32,522 Loss for 1916-1917 ... 8,051 Total ... 2,40,573				Share of Collection Charges in the Civil Department	3,83,307	13,203	3,96,510
				Indirect Charges debitable to Revenue Account as per Account No. 5	70,992	1,391	72,383
				Total, Charges ...	25,47,422	68,614	26,16,036
				Balance Net Revenue ..	26,38,987	1,54,292	27,93,279
Grand Total ...	51,86,409	2,22,906	54,09,315	Grand Total ...	51,86,409	2,22,906	54,09,315

N. B.—Last Capital Account detailed in the Administrative Accounts for 1905-1906. Construction Estimate closed on 31st March 1896—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 569, dated 27th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,027	74	3,101
2. Leave and Pension Allowances	67,965	1,317	69,282
Total ...	70,992	1,391	72,383

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GHA'R CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,44,471	4,147	2,48,618				
5. Plantations ...	63,994	50	65,949				
6. Other canal produce		1,905		1. Head Works ...	1,407	...	1,407
9. Rents of Buildings.	19,316	1,167	20,483				
10. Fines	18,119	1,658	19,777	2. Main Canals and Branches	3,68,331	7,577	3,75,908
11. Miscellaneous Receipts	1,98,746	—1,734	1,97,012	3. Distributaries ...	12,796	...	12,796
Total ...	5,44,646	7,193	5,51,839	Total ...	3,82,534	7,577	3,90,111
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department.	2,81,95,649	8,29,366	2,90,25,015	II.—MAINTENANCE AND REPAIRS.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	1,25,786	7,605	1,33,391	2. Main Canals and Branches ...	39,65,842	1,42,318	41,08,160
				3. Distributaries ...	15,675	...	15,675
				Total ...	39,81,517	1,42,318	41,23,835
Total ...	2,83,21,435	8,36,971	2,91,58,406	III.—COMPENSATION.	108	...	108
Total, Receipts ...	2,88,66,081	8,44,164	2,97,10,245	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,35,690	4,775	2,40,465
				3. Executive ...	9,55,258	25,323	9,80,581
				Total ...	11,90,948	30,098	12,21,046
				V.—TOOLS AND PLANT ...	12,096	397	12,493
Carried over ...	2,88,66,081	8,44,164	2,97,10,245	Carried over ...	55,67,203	1,80,390	57,47,593

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GHA'R CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	2,88,66,081	8,44,164	2,97,10,245	Brought forward ...	55,67,203	1,80,390	57,47,593
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :— Rs. To end of 1915-1916. 11,78,135 Loss for 1916-1917... 36,273 Total ...12,14,408				VI.—REFUNDS OF REVENUE	184	...	184
				Total ...	55,67,387	1,80,390	57,47,777
				Share of Collection Charges in the Civil Department	23,22,179	49,882	23,72,061
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,96,663	5,711	2,02,374
				Total, Charges ...	80,86,229	2,35,983	83,22,212
				Balance Net Revenue ...	2,07,79,852	6,08,181	2,13,88,033
Grand Total ...	2,88,66,081	8,44,164	2,97,10,245	Grand Total ...	2,88,66,081	8,44,164	2,97,10,245

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1879,—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 927, dated 11th June 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	14,174	1,497	15,671
2. Leave and Pension Allowances	1,82,489	4,214	1,86,703
Total ...	1,96,663	5,711	2,02,374

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUTTAH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	317	21	338
6. Other canal produce ...	1,167	11	1,178
10. Fines	...	159	159
11. Miscellaneous Receipts ...	—39	—40	—79
Total ...	1,445	151	1,596
II.—INDIRECT RECEIPTS.			
Irrigation share of Land Revenue collected in the Civil Department	1,24,960	4,520	1,29,480
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	4,438	749	5,187
Total ...	1,29,398	5,269	1,34,667
Total, Receipts ...	1,30,843	5,420	1,36,263

Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1915-1916	2,998
Loss for 1916-1917	449
Total ...	3,447

Charges.	Total. Previous.	1916-1917.	Total.
I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
2. Main Canals and Branches .	3,479	...	3,479
Average expenditure before Improvement	—23,928	—1,994	—25,922
Total ...	—20,449	—1,994	—22,443
II.—MAINTENANCE AND REPAIRS.			
2. Main Canals and Branches	1,19,476	7,042	1,26,518
IV.—ESTABLISHMENT.			
1 & 2. Direction and Accounts.	2,893	63	2,956
3. Executive	4,823	2,217	7,040
Total ...	7,716	2,280	9,990
V.—TOOLS AND PLANT ...	—297	161	—136
Total ...	1,06,446	7,489	1,13,935
Share of Collection Charges in the Civil Department ...	7,358	281	7,639
Indirect Charges debitable to Revenue Account as per Account No. 5	1,081	319	1,400
Total, Charges ...	1,14,885	8,089	1,22,974
Balance Net Revenue ...	15,958	—2,669	13,289
Grand Total ...	1,30,843	5,420	1,36,263

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-1913. Construction Estimate closed on 31st March 1910—*vide* Government Resolution No. 299, dated 5th February 1910. Completion Report approved in Government Resolution No. 950, dated 9th May 1911.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,081	319	1,400

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

ALIBHAR KACHERI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	23,156	272	23,428				
5. Plantations ...	3,627	...	3,708	2. Main Canals and Branches	5,316	...	5,316
6. Other canal produce		81					
10. Fines	128	1	129				
11. Miscellaneous Receipts... ...	3,142	147	3,289	4. Drainage and Protective Works ..	245	...	245
Total ...	30,053	501	30,554	Total ..	5,561	...	5,561
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	2,57,594	14,650	2,72,244	2. Main Canals and Branches	26,439	—2,552	23,887
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	15,608	840	16,448	3. Distributaries ..	12,672	...	12,672
				Total ...	39,111	—2,552	36,559
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	9,016	92	9,108
				3. Executive	11,588	73	11,661
Total ...	2,73,202	15,490	2,88,692	Total ..	20,604	165	20,769
Total, Receipts ...	3,03,255	15,991	3,19,246	V.—TOOLS AND PLANT...	684	51	735
				VI.—REFUNDS OF REVENUE	19	...	19
				Total ..	65,979	—2,336	63,643
				Share of Collection Charges in the Civil Department	22,692	896	23,588
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,447	23	3,470
				Total, Charges ..	92,118	—1,417	90,701
				Balance Net Revenue ...	2,11,137	17,408	2,28,545
Grand Total ...	3,03,255	15,991	3,19,246	Grand Total ...	3,03,255	15,991	3,19,246

Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883:—

	Rs.
To end of 1915-1916...	1,09,131
Loss for 1916-1917 ...	2,112
Total ...	1,11,243

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1876—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	3,447	23	3,470

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

Ma'rak Great Canal.

Canal Project.

No, 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—Direct Receipts.	Rs.	Rs.	Rs.	I—Extensions and Improvements.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	1,11,347	1,783	1,13,130				
3. Sales of water ...	15	...	15	2. Main Canals and Branches	43,370	145	43,515
5. Plantations ...	17,357	...	18,676				
6. Other canal produce.		1,319					
8. Navigation ...	124	...	124				
9. Rents of Buildings	143	...	143	II.—Maintenance and Repairs.			
10. Fines	2,395	...	2,395				
11. Miscellaneous Receipts	13,031	483	13,514	1. Head Works ...	3,416	...	3,416
Total ...	1,44,412	3,585	1,47,997	2. Main Canals and Branches	4,40,302	11,275	4,51,577
II.—Indirect Receipts				Total ...	4,43,718	11,275	4,54,993
Irrigation share of Land Revenue collected in the Civil Department.	27,54,534	1,34,059	28,88,593	IV.—Establishment.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	52,114	3,406	55,520	1 & 2. Direction and Accounts	28,080	775	28,855
				3. Executive	1,53,631	7,270	1,60,901
				Total ...	1,81,711	8,045	1,89,756
				V.—Tools and Plant ...	2,999	380	3,379
				VI.—Refunds of Revenue ...	40	...	40
Total ...	28,06,618	1,37,465	29,44,113				
				Total ...	6,71,838	19,845	6,91,683
Total Receipts ...	29,51,060	1,41,050	30,92,110				
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—				Share of Collection Charges in the Civil Department	2,19,699	8,162	2,27,861
				Indirect Charges debitable to Revenue Account as per Account No 5	27,513	1,126	28,639
	Rs:						
To end of 1915-1916	6,21,226						
Loss for 1916-1917 ...	20,893						
Total ..	6,42,119			Total, Charges ...	9,19,050	29,133	9,48,183
				Balance Net Revenue ..	20,32,010	1,11,917	21,43,927
Grand Total ...	29,51,060	1,41,050	30,92,110	Grand Total	29,51,060	1,41,050	30,92,110

N.B.—Last Capital Account detailed in the Administrative Accounts for 1893-99. Construction Estimate closed on 31st March 1882 *vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	772	.....	772
2 Leave and Pension Allowances	26,741	1,126	27,867
Total ..	27,513	1,126	28,639

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SARFRAZWA'H CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	69,597	1,204	70,801				
5. Plantations... ...	16,289	...	16,643	2. Main Canals and Branches	39,754	674	40,428
6. Other canal produce .		354					
8. Navigation	18	17	35				
10. Fines	173	1	174	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts... ...	6,273	364	6,637				
Total ...	92,350	1,940	94,290	2. Main Canals and Branches	3,15,311	6,706	3,22,017
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works ...	6,778	...	6,778
Irrigation share of Land Revenue collected in the Civil Department	9,80,619	42,597	10,23,216	Total ...	3,22,089	6,706	3,28,795
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August, 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	25,543	1,294	26,837	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	25,450	562	26,012
				3. Executive	88,126	3,322	91,448
Total ...	10,06,162	43,891	10,50,053	Total ...	1,13,576	3,884	1,17,460
				V.—TOOLS AND PLANT...	1,511	176	1,687
Total, Receipts ...	10,98,512	45,831	11,44,343	VI.—REFUNDS OF REVENUE	4	...	4
				Total ...	4,76,934	11,440	4,88,374
				Share of Collection Charges in the Civil Department	78,752	2,628	81,380
				Indirect Charges debitable to Revenue Account as per Account No. 5	18,432	705	19,137
				Total, Charges ...	5,74,118	14,773	5,88,891
				Balance Net Revenue ...	5,24,394	31,058	5,55,452
Grand Total ...	10,98,512	45,831	11,44,343	Grand Total ...	10,98,512	45,831	11,44,343

Note.—Loss to the canal on account of difference between assessment of water-rates on jágbir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1915-1916...	3,37,639
Loss for 1916-1917 ...	7,779
Total...	3,45,418

N.B.—Last Capital Account detailed in the Administrative Accounts for 1881-82. Construction Estimate closed on 31st March 1876—*vide* Government Resolution No. 1411, dated 11th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	1,117	161	1,278
2. Leave and Pension Allowances	17,315	544	17,859
Total ...	18,432	705	19,137

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimates closed on 31st March 1893.)	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
C. Works	66,278	...	66,278	66,278	66,278
K. Buildings	4,012	...	4,012	4,012	4,012
Total, Head Works ...	70,290	...	70,290	70,290	70,290
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	43,303	...	43,303	43,303	43,303
B. Land	4,616	...	4,616	6,054	4,616
D. Regulators	2,07,664	3,791	2,11,455	2,14,734	2,07,664
G. Bridges	33,890	...	33,890	36,572	33,890
H. Escapes	2,44,313	...	2,44,313	2,44,313	2,44,313
K. Buildings	42,737	...	42,737	42,737	42,737
L. Earth-work	8,20,043	5,197	8,25,240	8,29,597	8,20,043
O. Miscellaneous	1,868	11	1,879	28,903	1,868
Total, Main Canals and Branches ...	13,98,434	8,999	14,07,433	14,46,213	13,98,434
(3)—*Distributaries.*					
B. Land	667	...	667	667	667
C. Works	65,540	...	65,540	65,540	65,540
L. Earth-work	32,160	...	32,160	32,160	32,160
Total, Distributaries ...	98,367	...	98,367	98,367	98,367
Total, I.—Works ..	15,67,091	8,999	15,76,090	16,14,870	15,67,091
II.—Establishment.					
1 & 2 Direction and Accounts ...	79,927	405	80,332	3,48,068	79,927
3. Executive	2,58,178	1,530	2,59,708		2,58,178
4. Medical	.....	...	.....		.....
5. Special Survey	.....	...	.....		.....
Total Establishment ...	3,38,105	1,935	3,40,040	3,48,068	3,38,105
III.—Tools and Plant ...	8,754	135	8,889	9,449	8,754
IV.—Suspense Accounts ...	.....	...	.....	.....	.....
Grand Total ..	19,13,950	11,069	19,25,019	19,72,387	19,13,950
V.—Less Receipts on Capital Account .	504	...	504	504	504
Net Outlay	19,13,446	11,069	19,24,515	19,71,883	19,13,446
Apportionment.					
Chargeable to 43—Minor Works and Navigation	19,13,446	11,069	19,24,515	19,71,883	19,13,446

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	13,18,847	43,825	13,62,672	2. Main Canals and Branches. ...	2,68,526	38,302	3,06,828
3. Sales of water ...	2,734	155	2,889	3. Distributaries ...	450	9,986	10,436
5. Plantations ...	1,35,112	210	1,39,402	Total ...	2,68,976	48,288	3,17,264
6. Other canal produce		4,080					
8. Navigation ...	64,743	...	64,743				
9. Rents of Buildings.	4,728	1,002	5,730	II.—MAINTENANCE AND REPAIRS.			
10. Fines	11,694	872	12,566				
11. Miscellaneous Receipts	1,52,858	7,504	1,60,362	1. Head Works ...	169	...	169
Total ...	16,90,716	57,648	17,48,364	2. Main Canals and Branches ...	49,76,964	88,062	50,65,026
				3. Distributaries ...	1,155	...	1,155
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department	1,71,04,003	7,87,609	1,78,91,612	Total ...	49,78,288	88,062	50,66,350
				IV.—ESTABLISHMENT.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	2,00,549	14,325	2,14,874	1 & 2. Direction and Accounts ...	3,15,484	8,449	3,23,933
				3. Executive ...	11,47,063	41,103	11,88,166
Total ...	1,73,04,552	8,01,934	1,81,06,486	Total ...	14,62,547	49,552	15,12,099
				V.—TOOLS AND PLANT ...	34,707	2,175	36,882
Total, Receipts ...	1,89,95,268	8,59,582	1,98,54,850				
Carried over ...	1,89,95,268	8,59,582	1,98,54,850	Carried over ...	67,44,518	1,88,077	69,32,595

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ..	1,89,95,268	8,59,582	1,98,54,850	Brought forward ...	67,44,518	1,88,077	69,32,595
				VI.—REFUNDS OF REVENUE	3,714	...	3,714
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands, noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Suspense Account ...	...	—216	—216
				Total ...	67,48,232	1,87,861	69,36,093
Rs.							
To end of 1915-1916 52,85,654				Share of Collection Charges in the Civil Department	14,36,846	50,130	14,86,976
Loss for 1916-1917 2,12,220							
Total ...54,97,874							
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,48,181	7,291	2,55,472
				Total, Charges ...	84,33,259	2,45,282	86,78,541
				Balance Net Revenue ...	1,05,62,009	6,14,300	1,11,76,309
Grand Total ...	1,89,95,268	8,59,582	1,98,54,850	Grand Total ...	1,89,95,268	8,59,582	1,98,54,850

N.B.—Construction Estimate closed on 31st March 1893—*vide* Government Resolution No. 1035, dated 27th June 1894. Completion Report approved in Government Resolution No. 1035, dated 27th June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized Abatement of Land Revenue ..	1,4412	.....	14,412
2. Leave and Pension Allowances ...	56,803	271	57,074
Total ...	71,215	271	71,486
REVENUE—			
1. Capitalized abatement of Land Revenue ...	16,303	354	16,657
2. Leave and Pension Allowances ...	2,31,878	6,937	2,38,815
Total ...	2,48,181	7,291	2,55,472

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	9,84,801	5,82,290	15,67,091	8,999	47,779	38,780	15,76,090	
Establishment ...	2,00,468	1,37,637	3,38,105	1,935	9,963	8,028	3,40,040	
Tools and Plant ...	1,325	7,429	8,754	135	695	560	8,889	
Total ...	11,86,594	7,27,356	19,13,950	11,069	58,437	47,368	19,25,019	
Less—Receipts on Capital Account ...	21	483	504	...	...	...	504	
Net Total ...	11,86,573	7,26,873	19,13,446	11,069	58,437	47,368	19,24,515	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	6,800	7,612	14,412	...	592	592	14,412	
Leave and Pension Allowances ...	37,536	19,267	56,803	271	1,395	1,124	57,074	
Total ...	44,336	26,879	71,215	271	1,987	1,716	71,486	
Grand Total ...	12,30,909	7,53,752	19,84,661	11,340	60,424	49,084	19,96,001	

Government Resolution (Public Works Department), No. W.I.—1637, dated 9th February 1917.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

HASANALIWAH.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,419	—88	2,331	2. Main Canals and Branches	20,882	874	21,756
5. Plantation ...	...	3	3				
6. Other canal produce	1,856	67	1,923				
9. Rents of Buildings	1	...	1	II.—MAINTENANCE AND REPAIRS.			
10. Fines	339	...	339				
11. Miscellaneous Receipts	2,945	504	3,449	2. Main Canals and Branches	1,48,107	13,011	1,61,118
Total ...	7,560	486	8,046				
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	4,46,018	47,824	4,93,842	1 & 2. Direction and Accounts ...	11,269	878	12,147
				3. Executive	44,925	3,580	48,505
4 per cent. on $\frac{9}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	4,159	617	4,776				
Total ...	4,50,177	48,441	4,98,618	Total ...	56,194	4,458	60,652
				V.—TOOLS AND PLANT ...	1,696	166	1,862
Total, Receipts ...	4,57,737	48,927	5,06,664	Total ...	2,26,879	18,509	2,45,388
				Share of Collection Charges in the Civil Department	26,884	2,873	29,757
				Indirect Charges debitable to Revenue Account as per Account No. 5	7,867	624	8,491
				Total, Charges ...	2,61,630	22,006	2,83,636
				Balance Net Revenue ...	1,96,107	26,921	2,23,028
Grand Total ...	4,57,737	48,927	5,06,664	Grand Total ...	4,57,737	48,927	5,06,664

Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1915-1916.	19,653
Loss for 1916-1917 ...	4,096
Total ...	23,749

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 1802, dated 15th July 1907. Completion Report approved in Government Resolution No. 1802, dated 15th July 1907.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	7,867	624	8,491

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (construction estimate closed on 31st March 1909).	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses	403	...	403	403	403
B. Land	16,995	...	16,995	16,995	16,995
C. Masonry Works	5,715	...	5,715	5,715	5,715
K. Buildings	6,089	...	6,089	6,089	6,089
L. Earth-work	82,684	...	82,684	82,684	82,684
M. Plantations	134	...	134	134	134
O. Miscellaneous	1,286	...	1,286	1,286	1,286
P. Maintenance	197	...	197	197	197
Total, Head Works ...	1,13,503	...	1,13,503	1,13,503	1,13,503
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	272	...	272	272	272
B. Land	10,180	802	10,982	10,680	10,180
C(*a*). Regulators	8,233	...	8,233	8,233	8,233
C(*b*). Falls and Weirs	300	...	300	300	300
C(*c*). River and Hill Torrent Works ...	247	...	247	247	247
C(*d*). Other Cross Drainage Works ...	35,003	263	35,266	35,050	34,475
C(*e*). Bridges	7,865	—102	7,763	8,014	7,364
C(*f*). Escapes	208	...	208	208	208
L. Earth-work	23,501	1,308	24,809	25,022	23,272
M. Plantations	103	...	103	103	103
O. Miscellaneous	7,537	—15	7,522	7,932	7,477
P. Maintenance	977	...	977	977	977
Total, Main Canals and Branches ...	94,426	2,256	96,682	97,038	93,108
Total, I.—Works ...	2,07,929	2,256	2,10,185	2,10,541	2,06,611
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	6,123	65	6,188	27,853	6,063
3. Executive	21,272	247	21,519		21,053
Total, II.—Establishment ...	27,395	312	27,707	27,853	27,116
III.—TOOLS AND PLANT	1,789	22	1,811	1,820	1,769
Grand Total ...	2,37,113	2,590	2,39,703	2,40,214	2,35,496
V.—*Less*—Receipts on Capital Account.	743	...	743	743	743
Net Outlay ...	2,36,370	2,590	2,38,960	2,39,471	2,34,753
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation ...	1,79,156	2,590	1,81,746	1,82,257	1,77,539
Do. 33.—Famine Relief ...	57,214	...	57,214	57,214	57,214
Total ...	2,36,370	2,590	2,38,960	2,39,471	2,34,753

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	29,758	1,398	31,156	1. Head Works ...	382	...	382
3. Sales of water ...	448	1,000	1,448	2. Main Canals and Branches... ...	4,554	1,374	5,928
5. Plantations ...	21	...	21	Total ...	4,936	1,374	6,310
6. Other Canal produce ...	177	181	358	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	2	...	2	1. Head Works ...	30,430	495	30,925
11. Miscellaneous Receipts	3,356	210	3,566	2. Main Canals and Branches... ...	17,263	3,371	20,634
Total ...	33,762	2,789	36,551	Total ...	47,693	3,866	51,559
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	10,718	1,767	12,485	1 & 2. Direction and Accounts... ..	2,509	236	2,745
				3. Executive	18,000	1,868	19,868
				Total ...	20,509	2,104	22,613
				V.—TOOLS AND PLANT ...	1,101	79	1,180
				VI.—REFUNDS OF REVENUE	98	...	98
				Total ...	74,337	7,423	81,760
				Share of Collection Charges in the Civil Department	2,632	297	2,929
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,889	295	3,184
Total ...	10,718	1,767	12,485	Total, Charges ...	79,858	8,015	87,873
				Balance Net Revenue...	—35,378	—3,459	—38,837
Total, Receipts ...	44,480	4,556	49,036	Grand Total ...	44,480	4,556	49,036

N.B.—Construction Estimate closed on 31st March 1909—*vide* Government Resolution No. 902, dated 31st March 1909. Completion Report approved in Government Resolution No. 729, dated 19th March 1910.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	46,225	...	46,225
2. Leave and Pension Allowances	3,836	44	3,880
Total ...	50,061	44	50,105
REVENUE—			
1. Capitalized Abatement of Land Revenue	19	.....	19
2. Leave and Pension Allowances	2,870	295	3,165
Total ...	2,889	295	3,184

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate sanctioned in Government Order (Public Work Department) W. L. 545, dated 15th January 1916—
Works	1,83,510	23,101	2,06,611	3,574	3,930	356	2,10,185	
Establishment ...	23,033	4,083	27,116	591	737	146	27,707	
Tools and Plant ...	1,502	267	1,769	42	51	9	1,811	
Total ...	2,08,045	27,451	2,35,496	4,207	4,718	511	2,39,703	
Less—Receipts on Capital Account.	743	...	743	...	...		743	
Net Total ...	2,07,302	27,451	2,34,753	4,207	4,718	511	2,38,960	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	28,460	17,765	46,225	...	750	750	46,225	
Leave and Pension Allowances ...	3,225	572	3,797	83	103	20	3,880	
Total ...	31,685	18,337	50,022	83	853	770	50,105	
Grand Total ...	2,38,987	45,788	2,84,775	4,290	5,571	1,281	2,89,065	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

TRANZA-NAGRAMA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	5,089	...	5,089	1. Head Works ...	1,901	628	2,529
5. Plantations ...	1	...	1	2. Main Canals and Branches ...	399	...	399
6. Other Canal produce ...	602	13	615	Total ...	2,300	628	2,928
10. Fines ...	16	...	16	II.—MAINTENANCE AND REPAIRS.			
11 Miscellaneous Receipts ...	2,340	474	2,814	1. Head Works ...	11,668	843	12,511
Total ...	8,048	487	8,535	2. Main Canals and Branches ...	6,292	463	6,755
II.—INDIRECT RECEIPTS.				Total ...	17,960	1,306	19,266
				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	459	60	519	1 & 2. Direction and Accounts ...	999	87	1,086
				3. Executive ...	7,852	690	8,542
				Total ...	8,851	777	9,628
Total, Receipts ...	8,507	547	9,054	V.—TOOLS AND PLANT ...	455	29	484
				VI.—REFUNDS OF REVENUE ...	194	5	199
				Total ...	29,760	2,745	32,505
				Share of Collection Charges in the Civil Department	352	6	358
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,277	109	1,386
				Total, Charges ...	31,389	2,860	34,249
				Balance Net Revenue ...	—22,882	—2,313	—25,195
Grand Total ...	8,507	547	9,054	Grand Total ...	8,507	547	9,054

N.B.—Last Capital Account detailed in the Administrative Accounts for 1913-1914. Construction Estimate closed on 30th June 1909 —*vide* Government Resolution No. 2496, dated 12th October 1909. Completion Report approved in Government Resolution No. 1730, dated 6th August 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	38	.....	38
2. Leave and Pension Allowances	1,239	109	1,348
Total ..	1,277	109	1,386

N.B.—Last No. 6 Account detailed in the Administrative Accounts for 1914-1915.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SAVALI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	28,351	2,236	30,587	1. Head Works ...	2,092	95	2,187
3. Sales of water ...	...	20	20	2. Main Canals and Branches ..	406	981	1,387
6. Other Canal produce...	63	88	151	Total ...	2,498	1,076	3,574
10. Fines ...	14	...	14	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts	2,463	440	2,903	1. Head Works ...	37,383	3,205	40,588
Total ...	30,891	2,784	33,675	2. Main Canals and Branches ...	8,979	1,085	10,064
II.—INDIRECT RECEIPTS.				Total ...	46,362	4,290	50,652
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,238	241	2,479
				3. Executive ...	14,057	1,902	15,959
				Total ...	16,295	2,143	18,438
Total, Receipts ...	30,891	2,784	33,675	V.—TOOLS AND PLANT...	971	80	1,051
				VI.—REFUNDS OF REVENUE ...	48	...	48
				Total ...	66,174	7,589	73,763
				Share of collection Charges in the Civil Department ...	1,431	112	1,543
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,731	300	3,031
				Total, Charges ..	70,336	8,001	78,337
				Balance Net Revenue ...	—39,445	—5,217	—44,662
Grand Total ...	30,891	2,784	33,675	Grand Total ..	30,891	2,784	33,675

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-13. Construction Estimate closed on 31st March 1910, *vide* Government Resolution No. 66, dated 12th January 1910. Completion Report approved in Government Resolution No. 2577, dated 15th March 1912.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	449	.....	449
2. Leave and Pension Allowances ...	2,282	300	2,582
Total ...	2,731	300	3,031

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SAHIAT TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	9,702	464	10,166	1. Head Works ...	2,170	270	2,440
5. Plantations ...	15	...	15	2. Main Canals and Branches ...	2,724	1,252	3,976
6. Other Canal produce	286	193	479	3. Distributaries ...	516	96	612
11. Miscellaneous Receipts	884	530	1,414	Total ...	5,410	1,618	7,028
Total ...	10,887	1,187	12,074	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works ...	33,591	1,857	35,448
				2. Main Canals and Branches... ...	14,755	1,459	16,214
Irrigation share of Land Revenue collected in the Civil Department	36	...	36	Total ...	48,346	3,316	51,662
				IV.—ESTABLISHMENT.			
				1. & 2. Direction and Accounts... ...	2,486	222	2,708
Total, Receipts ...	10,923	1,187	12,110	3. Executive	14,953	1,771	16,724
				Total ...	17,439	1,993	19,432
				V.—TOOLS AND PLANT ...	1,117	75	1,192
				VI.—REFUNDS OF REVENUE ...	1	...	1
				Total ...	72,313	7,002	79,315
				Share of Collection Charges in the Civil Department	488	23	511
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,443	279	2,722
				Total, Charges ...	244	7,304	82,548
				Balance Net Revenue ...	— 64,31	—6,117	—70,438
Grand Total ...	10,923	1,187	12,110	Grand Total ...	10,923	1,187	11,012

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1912—*vide* Government Resolution No. 2066, dated 18th October 1911. Completion Report approved in Government Resolution No. 10160, dated 7th October 1913.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	2,443	279	2,722

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SUKI RIVER.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Paticulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	385	.....	385

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Work	...	...	...	12,212	...	—12,212	12,212	Undertaken as a Famine Relief Work and the famine outlay at normal rates has been adjusted during the year 1911-12. Outlay without an estimate approved in Government Resolution No. A.I. 6022, dated 7th June 1913.
Establishment ...	...	...	...	2,749	...	—2,749	2,749	
Tools and Plant ...	...	...	...	178	...	—178	178	
Total ...	...	...	...	15,139	....	—15,139	15,139	
Less—Receipts on Capital Account...	...	...	...	...	...	...	...	
Net Total ...	...	...	...	15,139	...	—15,139	15,139	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	...	...	...	...	...	...	...	
Leave and Pension Allowances ...	...	...	...	385	...	—385	385	
Total ...	...	...	...	385	...	—385	385	
Grand Total ...	...	...	...	15,524	...	—15,524	15,524	

Note.—No. 2 Capital Account detailed in the Administrative Accounts for 1911-12.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—Works.	Rs	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
B. Land	6,836	630	7,466	7,466	7,466
C. Masonry Works	2,073	—23	2,050	2,050	2,050
K. Buildings	500	331	831	831	831
L. Earth-work	65,095	336	65,431	65,431	65,431
O. Miscellaneous	1,654	—17	1,637	1,637	1,637
Total, Head Works ...	76,158	1,257	77,415	77,415	77,415
(2)—*Main Canals and Branches.*					
B. Land	1,441	—630	811	811	811
C. Masonry Works	7,073	83	7,156	7,156	7,156
L. Earth-work	2,833	284	3,117	3,117	3,117
O. Miscellaneous	504	—181	323	323	323
Total, Main Canals and Branches ...	11,851	—444	11,407	11,407	11,407
Total, I.—Works ...	88,009	813	88,822	88,822	88,822
II.—Establishment.					
1 & 2. Direction and Accounts ...	3,590	37	3,627	3,627	3,627
3. Executive	13,560	138	13,698	13,698	13,698
Total, II.—Establishment ...	17,150	175	17,325	17,325	17,325
III.—Tools and Plant	1,197	12	1,209	1,209	1,209
IV.—Suspense Accounts	.....	...	.....	.....	.....
Loss by Exchange	.....	...	.....	.....	.....
Grand Total ...	1,06,356	1,000	1,07,356	1,07,356	1,07,356
V.—*Less*—Receipts on Capital Account	.....	...	.....	.....	.....
Net Outlay ...	1,06,356	1,000	1,07,356	1,07,356	1,07,356
Apportionment.					
Chargeable to 43.—Minor Works and Navigation ...	81,856	1,000	82,856	82,856	82,856
Do. 33.—Famine Relief ...	24,500	...	24,500	24,500	24,500
Total ..	1,06,356	1,000	1,07,356	1,07,356	1,07,356

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
4. Water-rates from Irrigation ...	...	...	...	1. Head Works ...	...	791	791
5. Plantations ...	...	...	...				
6. Other Canal prooduce.	27	33	60	2. Main Canals and Branches ...	...	425	425
10. Fines	...	...	...				
11. Miscellaneous Receipts	60	120	180	Total ...	...	1,216	1,216
Total ...	87	153	240	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	...	55	55
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive ...	...	433	433
				Total ...	...	488	488
Total, Receipts ...	87	153	240	V.—TOOLS AND PLANT...	...	18	18
				Total ...	...	1,722	1,722
				Share of Collection Charges in the Civil Department ...	...	...	...
				Indirect Charges debitable to Revenue Account as per Account No. 5	...	68	68
				Total, Charges ...	...	1,790	1,790
				Balance Net Revenue ...	87	—1,637	—1,550
Grand Total ...	87	153	240	Grand Total ...	87	153	240

N. B.—Construction Estimate closed on 30th November 1916.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

FETELAO TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized Abatement of Land Revenue	.....	6,680	6,680
2 Leave and Pension Allowances	2,401	24	2,425
Total ...	2,401	6,704	9,105
REVENUE—			
2. Leave and Pension Allowances	.....	68	68

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	88,822	...	88,822	...	...	...	88,822	
Establishment ...	17,325	...	17,325	...	...	...	17,325	
Tools and Plant ...	1,209	...	1,209	...	...	...	1,209	
Total ...	1,07,356	...	1,07,356	...	...	...	1,07,356	
Less—Receipts on Capital Account	...	...	...	...	...	...	...	
Net Total ...	1,07,356	...	1,07,356	...	...	...	1,07,356	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	6,680	...	6,680	...	...	...	6,680	
Leave and Pension Allowances	2,425	...	2,425	...	...	...	2,425	
Total ...	9,105	...	9,105	...	...	...	9,105	
Grand Total ...	1,16,461	...	1,16,461	...	...	...	1,16,461	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	16,430	331	16,761				
5. Plantations	6,251	47	6,337				
6. Other canal produce.		39		1. Head Works ...	23	631	654
10. Fines	...	260	260				
11. Miscellaneous Receipts.	16,216	14	16,230				
Total ...	38,897	691	39,588				
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...				
				1. Head Works ...	5,095	147	5,242
Total, Receipts ...	38,897	691	39,588	3. Distributaries ...	1,342	...	1,342
				Total ...	6,437	147	6,584
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts...	439	35	474
				3. Executive	5,945	275	6,220
				Total ...	6,384	310	6,694
				V.—TOOLS AND PLANT...	17	11	28
Carried over ..	38,897	691	39,588	Carried over ...	12,861	1,099	13,960

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	38,897	691	39,588	Brought forward ...	12,861	1,099	13,960
				VI.—REFUNDS OF REVENUE	2,957	...	2,957
				Total ...	15,818	1,099	16,917
				Share of Collection Charges in the Civil Department	1,560	29	1,589
				Indirect Charges debitable to Revenue Account as per Account No. 5	909	43	952
				Total, Charges ...	18,287	1,171	19,458
				Balance Net Revenue ...	20,610	—480	20,130
Grand Total ...	38,897	691	39,588	Grand Total ...	38,897	691	39,588

N.B.—Last Capital Account detailed in the Administrative Accounts for 1886-87. Construction Estimate closed on 31st March 1887—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	909	43	952

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MHASVA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	27,944	1,568	29,512				
3. Sales of water ...	14	...	14	1. Head Works ...	5,738	594	6,332
5. Plantations ...	8,664	55	8,918	2. Main Canals and Branches ...	2,094	...	2,094
6. Other canal produce.		199		3. Distributaries ...	586	...	586
9. Rents of Buildings .	154	...	154	Total ...	8,418	594	9,012
10. Fines	...	5	5				
11. Miscellaneous Receipts ...	11,824	1,272	13,096	II.—MAINTENANCE AND REPAIRS.			
Total ...	48,600	3,099	51,699	1. Head Works ...	3,531	408	3,939
				2. Main Canals and Branches ...	2,148	531	2,679
II.—INDIRECT RECEIPTS				3. Distributaries ...	16,310	...	16,310
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	21,989	939	22,928
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	1,847	69	1,916
				3. Executive	22,361	659	23,020
Total, Receipts ...	48,600	3,099	51,699	Total ...	24,208	728	24,936
				V.—TOOLS AND PLANT...	1,064	23	1,087
				Profit and Loss ...	149	...	149
				VI.—REFUNDS OF REVENUE	212	...	212
				Total ...	56,040	2,284	58,324
				Share of Collection Charges in the Civil Department	1,424	79	1,503
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,669	102	3,771
				Total, Charges ...	61,133	2,465	63,598
				Balance Net Revenue ...	—12,533	634	—11,899
Grand Total ...	48,600	3,099	51,699	Grand Total ...	48,600	3,099	51,699

N.B.—Last Capital Account detailed in the Administrative Accounts for 1893-94. Construction Estimate closed on 31st March 1887—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	120	.....	120
2. Leave and Pension Allowances	3,549	102	3,651
Total ...	3,669	102	3,771

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

JAMDA CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	2,63,732	8,556	2,72,288	1. Head Works ...	1,449	3,349	4,798
3. Sales of water ...	208	3	211	2. Main Canals and Branches ...	16,387	1,784	18,171
5. Plantations	46,191	2,803	49,326	3. Distributaries ...	1,464	...	1,464
6. Other canal produce.		332		Total ...	19,300	5,133	24,433
9. Rents of Buildings ...	2,031	34	2,065	II.—MAINTENANCE AND REPAIRS.			
10. Fines	103	5	108	1. Head Works ...	17,364	1,013	18,377
11. Miscellaneous Receipts	2,536	153	2,689	2. Main Canals and Branches ...	2,22,645	2,385	2,25,030
Total ...	3,14,801	11,886	3,26,687	3. Distributaries ...	14,984	35	15,019
II.—INDIRECT RECEIPTS.				Total ...	2,54,993	3,433	2,58,426
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	19,640	360	20,000
				3. Executive	1,95,293	3,807	1,99,100
Total, Receipts ...	3,14,801	11,886	3,26,687	Total ...	2,14,933	4,167	2,19,100
				V.—TOOLS AND PLANT ...	5,248	120	5,368
				Profit and Loss ...	84	...	84
				VI.—REFUNDS OF REVENUE	1,065	6	1,071
				Total ...	4,95,623	12,859	5,08,482
				Share of Collection Charges in the Civil Department	13,122	428	13,550
				Indirect Charges debitable to Revenue Account as per Account No. 5	33,328	682	34,010
				Total, Charges ...	5,42,073	13,969	5,56,042
				Balance Net Revenue ...	-2,27,272	-2,083	-2,29,355
Grand Total ...	3,14,801	11,886	3,26,687	Grand Total ...	3,14,801	11,886	3,26,687

N.B.—Last Captial Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 5163, dated 1st May 1915. Completion Report approved in Government Resolution No. 5163, dated 1st May 1915.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-17.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	231	99	330
2. Leave and Pension Allowances	33,097	583	33,680
Total ...	33,328	682	34,010

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

PARSUL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	61,665	6,131	67,796	1. Head Works ...	747	1,722	2,469
5. Plantations... ...	689	...	689	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.	838	27	865	1. Head Works ...	5,079	574	5,653
9. Rents of buildings ...	1	...	1	2. Main Canals and Branches ...	76	...	76
10. Fines	22	...	22	3. Distributaries ...	3,877	...	3,877
11. Miscellaneous Receipts	377	...	377				
				Total ...	9,032	574	9,606
Total ...	63,592	6,158	69,750	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	817	98	915
				3. Executive	16,260	1,918	18,178
II.—INDIRECT RECEIPTS.							
				Total. ...	17,077	2,016	19,093
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	V.—TOOLS AND PLANT ...	845	33	878
				VI.—REFUNDS OF REVENUE ...	177	...	177
Total, Receipts ...	63,592	6,158	69,750	Total ...	27,878	4,345	32,223
				Share of Collection Charges in the Civil Department	3,084	307	3,391
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,390	282	2,672
				Total, Charges ...	33,352	4,934	38,286
				Balance Net Revenue ...	30,240	1,224	31,464
Grand Total ...	63,592	6,158	69,750	Grand Total ...	63,592	6,158	69,750

N.B.—Last Capital Account detailed in the Administrative Accounts for 1897-98. Construction Estimate closed on 31st March 1896—*vide* Government Resolution No. 396, dated 14th March 1896. Completion Report approved in Government Resolution No. 241, dated 17th February 1896.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	2,390	282	2,672

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

PRAVARA LEFT BANK CANAL.

CANAL PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,66,311	3,745	2,70,056	1. Head Works ...	172	...	172
3. Sales of water...	29	...	29	2. Main Canals and Branches ...	4,644	...	4,644
5. Plantations ...	19,120	42	21,162	Total ...	4,816	...	4,816
6. Other canal produce ...		2,000		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	829	112	941	1. Head Works ...	3,374	...	3,374
10. Fines ...	1,211	10	1,221	2. Main Canals and Branches ...	1,34,092	4,433	1,38,525
11. Miscellaneous Receipts ...	7,520	177	7,697	3. Distributaries ...	11,548	...	11,548
Total ...	2,95,020	6,086	3,01,106	Total ...	1,49,014	4,433	1,53,447
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	10,342	175	10,517
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Executive	1,48,419	1,730	1,50,149
				Total ...	1,58,761	1,905	1,60,666
Enhanced Land Revenue as per Government Resolution No. 275, dated 17th July 1880 ...	2,812	76	2,888	V.—TOOLS AND PLANT ...	2,802	58	2,860
				VI.—REFUNDS OF REVENUE	1,042	...	1,042
Total ...	2,812	76	2,888	Total ...	3,16,435	6,396	3,22,831
Total, Receipts ...	2,97,832	6,162	3,03,994	Share of Collection Charges in the Civil Department.	13,637	194	13,831
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,869	267	23,136
				Total, Charges ...	3,52,941	6,857	3,59,798
				Balance Net Revenue ...	−55,109	−695	−55,804
Grand Total ...	2,97,832	6,162	3,03,994	Grand Total ...	2,97,832	6,162	3,03,994

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-07. Construction Estimate closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1856, dated 9th December 1895.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	6	...	6
2. Leave and Pension Allowances	22,863	267	23,130
Total ...	22,869	267	23,136

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

BHA'TODI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	770	445	1,215
1. Water-rates from Irrigation ...	1,35,635	4,120	1,39,755	2. Main Canals and Branches ...	1,252	309	1,561
3. Sales of water ...	4	...	4	Total ...	2,022	754	2,776
5. Plantations ...	6,408	26	7,241	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...		807		1. Head Works ...	19,481	419	19,900
9. Rents of Buildings ...	151	8	159	2. Main Canals and Branches ...	70,313	728	71,041
10. Fines ...	313	2	315	3. Distributaries ...	4,476	429	4,905
11. Miscellaneous Receipts ...	21,933	1,055	22,988	Total ...	94,270	1,576	95,846
Total ...	1,64,444	6,018	1,70,462	III.—COMPENSATION ...	9	...	9
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	5,955	105	6,060
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Executive ...	71,563	668	72,231
				Total ...	77,518	773	78,291
Revenue on lands irrigated by percolation per Government Resolution No. 1757, dated 16th October 1891.	38,271	2,060	40,331	V.—TOOLS AND PLANT ...	1,452	35	1,487
				VI.—REFUNDS OF REVENUE.	1,239	...	1,239
				Total ...	1,76,510	3,138	1,79,648
Increased Land Revenue per Government Resolution No. 203, dated 30th March 1878 ...	5,842	146	5,988	Share of Collection Charges in the Civil Department...	11,094	412	11,506
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	11,277	108	11,385
Total ...	44,113	2,206	46,319				
				Total, Charges ...	1,98,881	3,658	2,02,539
Total, Receipts ...	2,08,557	8,224	2,16,781	Balance Net Revenue ...	9,676	4,566	14,242
Grand Total ...	2,08,557	8,224	2,16,781	Grand Total ...	2,08,557	8,224	2,16,781

N.B.—Last Capital Account detailed in the Administrative Accounts for 1891-92. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1797, dated 19th November 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	102	.....	102
2. Leave and Pension Allowances	11,175	108	11,283
Total ...	11,277	108	11,385

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

KA'SURDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	8,633	513	9,146	2. Main Canals and Branches ...	31	...	31
3. Sales of water	20	...	20	3. Distributaries ...	80	...	80
5. Plantations ...	2,504	...	2,545	Total ...	111	...	111
6. Other canal produce ...		41		II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	6,887	...	6,887	1. Head Works ...	16,125	201	16,326
				3. Distributaries ...	2,542	161	2,703
Total ...	18,044	554	18,598	Total ...	18,667	362	19,029
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	1,483	16	1,499
				3. Executive ...	9,293	187	9,480
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	10,776	203	10,979
				V.—TOOLS AND PLANT ...	1,683	6	1,689
Total, Receipts ...	18,044	554	18,598	Total ...	31,237	571	31,808
				Share of Collection Charges in the Civil Department.	430	26	456
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,635	28	1,663
				Total, Charges ...	33,302	625	33,927
				Balance Net Revenue ...	−15,258	−71	−15,329
Grand Total ...	18,044	554	18,598	Grand Total ...	18,044	554	18,598

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1878—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 997, dated 21st June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	1,635	28	1,663

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

SHIRSUPHAL TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	80,839	3,974	84,813	1. Head Works ...	606	...	606
3. Sales of water ...	3	...	3	3. Distributaries ...	144	...	144
				Total ...	750	...	750
5. Plantations ...	3,652	...	4,581	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		929					
10. Fines	77	...	77	1. Head Works ...	10,482	339	10,821
11. Miscellaneous Receipts	10,978	1	10,979	2. Main Canals and Branches ...	31,378	...	31,378
				3. Distributaries ...	765	987	1,752
Total ..	95,549	4,904	1,00,453	Total ...	42,625	1,326	43,951
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS				1 & 2. Direction and Accounts ...	3,829	60	3,889
				3. Executive ...	32,074	850	32,924
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	35,903	910	36,813
				V.—TOOLS AND PLANT ...	2,003	20	2,023
				VI.—REFUNDS OF REVENUE	16	...	16
Total, Receipts ...	95,549	4,904	1,00,453	Total ...	81,297	2,256	83,553
				Share of Collection Charges in the Civil Department	4,046	199	4,245
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,069	127	5,196
				Total, Charges ...	90,412	2,582	92,994
				Balance Net Revenue ...	5,137	2,322	7,459
Grand Total ...	95,549	4,904	1,00,453	Grand Total ...	95,549	4,904	1,00,453

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st October 1893. Completion Report approved in Government Resolution No. 328, dated 22nd February 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	5,069	127	5,196

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

BHÁDALVÁDI TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	643	...	643
1. Water-rates from Irrigation ...	1,00,332	4,481	1,04,813	3. Distributaries ...	158	...	158
3. Sales of water ...	18	...	18	Total ...	801	...	801
5. Plantations ...	4,541	70	4,727	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		116		1. Head Works ...	6,749	480	7,229
11. Miscellaneous Receipts	1,852	1	1,853	2. Main Canals and Branches ...	336	...	336
Total ...	1,06,743	4,668	1,11,411	3. Distributaries ...	30,413	869	31,282
				Total ...	37,498	1,349	38,847
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts... ...	3,040	61	3,101
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive	28,331	873	29,204
				Total ...	31,371	934	32,305
				V.—TOOLS AND PLANT ...	1,818	19	1,837
Total, Receipts ...	1,06,743	4,668	1,11,411	VI.—REFUNDS OF REVENUE	46	...	46
				Total ...	71,534	2,302	73,836
				Share of Collection Charges in the Civil Department	5,014	224	5,238
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	4,396	131	4,527
				Total, Charges ...	80,944	2,657	83,601
				Balance Net Revenue ...	25,799	2,011	27,810
Grand Total ...	1,06,743	4,668	1,11,411	Grand Total ...	1,06,743	4,668	1,11,411

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 827, dated 17th May 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	4,396	131	4,527

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	...	...	...	600	...
B. Land	4,052	...	4,052	13,200	...
C. Masonry Works	...	...	...	60,033	...
K. Buildings	...	...	...	1,000	...
L. Earth-work	40,743	...	40,743	2,72,099	...
P. Maintenance	565	36	601	712	...
Total, Head Works ...	45,360	36	45,396	3,47,644	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	...	...	...	200	...
B. Land	...	...	...	80	...
C. Masonry Works	...	...	...	4,500	...
K. Buildings	...	...	...	200	...
L. Earth-work	...	...	...	1,420	...
Total, Main Canals and Branches ...	...	...	...	6,400	...
Total, I.—Works ...	45,360	36	45,396	3,54,044	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,058	2	2,060	17,038	...
3. Executive	7,407	6	7,413	61,337	...
Total, II.—Establishment ...	9,465	8	9,473	78,375	...
III.—Tools and Plant	543	1	544	5,111	...
Grand Total ...	55,368	45	55,413	4,37,530	...
V.—*Less*—Receipts on Capital Account ...	701	147	848	...	...
Net Outlay ...	54,667	—102	54,565	4,37,530	...
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation ...	9,963	—102	9,861	4,37,530	...
Do. 33.—Famine Relief ...	44,704	...	44,704		
Total ...	54,667	—102	54,565	4,37,530	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	2,463	.....	2,463
2. Leave and Pension Allowances	1,326	1	1,327
Total ...	3,789	1	3,790

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	45,396	3,54,044	3,08,648	45,396	Government of India's No. 449-I of 22nd March 1905—*vide* Government Resolution No. 1218 of 6th May 1905.
Establishment ...	...	...	...	9,473	78,375	68,902	9,473	
Tools and Plant ...	...	...	...	544	5,111	4,567	544	
Total ...	...	...	...	55,413	4,37,530	3,82,117	55,413	
Less—Receipts on Capital Account ...	...	...	...	848	...	—848	848	
Net Total ...	...	...	...	54,565	4,37,530	3,82,965	54,565	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	2,463	12,500	10,037	2,463	
Leave and Pension Allowances	...	...	...	1,327	10,973	9,646	1,327	
Total ...	...	...	...	3,790	23,473	19,683	3,790	
Grand Total ...	...	...	...	58,355	4,61,003	4,02,648	58,355	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

KOREGAON TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	29,978	3,112	33,090	1. Head Works ...	2,087	...	2,087
				2. Main Canals and Branches	285	...	285
5. Plantations ...	1,512	3	1,552	3. Distributaries ...	...	7	7
6. Other canal produce		37		Total ...	2,372	7	2,379
11. Miscellaneous Receipts	224	10	234	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	7,981	220	8,201
Total ...	31,714	3,162	34,876	2. Main Canals and Branches ...	981	54	1,035
				3. Distributaries ...	7,731	161	7,892
				Total ...	16,693	435	17,128
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	1,232	20	1,252
Irrigation share of Land Revenue collected in the Civil Department.	*3,089	...	3,089	3. Executive	13,676	257	13,933
				Total ...	14,908	277	15,185
				V.—TOOLS AND PLANT ...	475	8	483
				VI.—REFUNDS OF REVENUE ...	18	...	18
				Total ...	34,466	727	35,193
Total ...	3,089	...	3,089				
				Share of Collection Charges in the Civil Department	1,849	156	2,005
Total, Receipts ...	34,803	3,162	37,965				
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,089	39	2,128
				Total, Charges ...	38,404	922	39,326
				Balance Net Revenue ...	—3,601	2,240	—1,361
Grand Total ...	34,803	3,162	37,965	Grand Total ...	34,803	3,162	37,965

* This amount is to end of January 1879, after which the revenue is credited as direct water-rates.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-91. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 654, dated 11th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	2,089	39	2,128

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

ASHTI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS..				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	39,902	...	39,902
1. Water-rates from Irrigation ...	2,20,327	15,046	2,35,936	2 Main Canals and Branches ...	1,985	941	2,926
		(a)563		3. Distributaries ...	2,234	...	2,234
3. Sales of water ...	291	...	291	Total ...	44,121	941	45,062
5. Plantations ...		74		II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce	39,551	2,398	42,023	1. Head Works ...	37,476	949	38,425
9. Rents of Buildings.	487	18	505	2. Main Canals and Branches ...	59,764	1,253	61,017
10. Fines	25	...	25	3. Distributaries ...	4,845	88	4,933
11. Miscellaneous Receipts	8,600	15	8,615	Total ...	1,02,085	2,290	1,04,375
Total ...	2,69,281	18,114	2,87,395	III.—COMPENSATION ...	15	...	15
				IV.—ESTABLISHMENT.			
				1 & 2, Direction and Accounts ...	11,563	145	11,708
II.—INDIRECT RECEIPTS				3. Executive	68,497	1,232	69,729
				Allowance for Collection of Revenue	182	...	182
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	80,242	1,377	81,619
				V.—TOOLS AND PLANT .	2,817	49	2,866
				VI.—REFUNDS OF REVENUE	973	24	997
Total, Receipts ..	2,69,281	18,114	2,87,395	Total ...	2,30,253	4,681	2,34,934
				Share of Collection Charges in the Civil Department	10,377	436 (a)563	11,376
				Indirect Charges debitable to Revenue Account as per Account No. 5	11,402	193	11,595
				Total, Charges ...	2,52,032	5,873	2,57,905
				Balance Net Revenue ...	17,249	12,241	29,490
Grand Total ...	2,69,281	18,114	2,87,395	Grand Total ...	2,69,281	18,114	2,87,395

(a) Amount adjusted by credit to water-rates and debit per contra on account of collection charges for the revenue realized by the Miraj State.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 490, dated 15th March 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	107	.....	107
2. Leave and Pension Allowances	11,295	193	11,488
Total ...	11,402	193	11,595

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

PA'THRI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	40,496	5,590	46,086	1. Head Works ...	699	30	729
3. Sales of water ...	475	...	475	2. Main Canals and Branches ...	452	...	452
				Total ...	1,151	30	1,181
5. Plantations ...	39	21	60	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce	1,235	90	1,325	1. Head Works ...	4,602	222	4,824
				2. Main Canals and Branches ...	4,428	623	5,051
				3. Distributaries ...	907	165	1,072
9. Rents of Buildings .	1	...	1				
				Total ...	9,937	1,010	10,947
11. Miscellaneous Receipts ...	345	30	375	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	504	46	550
Total ...	42,591	5,731	48,322	3. Executive ...	4,855	541	5,396
				Total ...	5,359	587	5,946
				V.—TOOLS AND PLANT ...	853	14	867
II.—INDIRECT RECEIPTS.				Suspense Account ..	—46	...	—46
				Total ...	17,254	1,641	18,895
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Share of Collection Charges in the Civil Department	2,026	279	2,305
				Indirect Charges debitable to Revenue Account as per Account No. 5	750	82	832
Total, Receipts ...	42,591	5,731	48,322	Total, Charges ...	20,030	2,002	22,032
				Balance Net Revenue ...	22,561	3,729	26,290
Grand Total ...	42,591	5,731	48,322	Grand Total ...	42,591	5,731	48,322

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16.
Construction Estimate closed on 31st March 1909—*vide* Government Resolution No. 1654, dated 6th July 1902.
Completion Report approved in Government Resolution No. 2452, dated 22nd November 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	750	82	832

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

REVA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	TOTAL. Previous.	1916-1917.	Total.	Charges.	TOTAL. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,78,302	6,731	1,85,033	1. Head Works ...	510	...	510
				2. Main Canals and Branches ...	1,117	...	1,117
3. Sales of water ...	11	...	11	Total ...	1,627	...	1,627
				II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	4,746	...	5,228	1. Head Works ...	1,524	11	1,535
6. Other canal produce		482		2. Main Canals and Branches ...	52,999	938	53,937
				3 Distributaries ...	270	...	270
9. Rents of Buildings	777	30	807	Total ...	54,793	949	55,742
11. Miscellaneous Receipts ...	4	...	4	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,381	43	2,424
Total ...	1,83,840	7,243	1,91,083	3. Executive ...	35,390	450	35,840
				Total ...	37,771	493	38,264
II.—INDIRECT RECEIPTS.				V.—TOOLS AND PLANT ...	1,742	14	1,756
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	VI.—REFUNDS OF REVENUE	19	...	19
				Total ...	95,952	1,456	97,408
				Share of Collection Charges in the Civil Department	8,875	337	9,212
Total, Receipts ..	1,83,840	7,243	1,91,083	Indirect Charges debitable to Revenue Account as per Account No. 5	6,352	69	6,421
				Total, Charges ...	1,11,179	1,862	1,13,041
				Balance Net Revenue ...	72,661	5,381	78,042
Grand Total ...	1,83,840	7,243	1,91,083	Grand Total ...	1,83,840	7,243	1,91,083

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	6,352	69	6,421

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

Upper Man River Works.

Tank Project.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—Direct Receipts.				I.—Extensions and Improvements.			
1. Water-rates from Irrigation ...	1,36,304	4,337	1,40,641	1. Head Works ...	20,355	...	20,355
3. Sales of water ...	6	...	6	3. Distributaries ...	170	...	170
5. Plantations ...	6,913	...	7,924	Total ...	20,525	...	20,525
6. Other canal produce.		1,011		II.—Maintenance and Repairs.			
9. Rents of Buildings...	932	36	968	1. Head Works ...	15,215	235	15,450
10. Fines	3	...	3	2 Main Canals and Branches ...	1,906	928	2,834
11. Miscellaneous Receipts ...	252	...	252	3. Distributaries ...	68,904	652	69,556
Total ...	1,44,410	5,384	1,49,794	Total ...	86,025	1,815	87,840
				III.—Compensation ...	1	...	1
II.—Indirect Receipts				IV.—Establishment.			
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	1 & 2. Direction and Accounts... ...	4,958	82	5,040
				3. Executive	45,528	802	46,330
				Total ...	50,486	884	51,370
				V.—Tools and Plant ...	3,057	27	3,084
Total, Receipts ...	1,44,410	5,384	1,49,794	VI.—Refunds of Revenue	167	...	167
				Total ...	1,60,261	2,726	1,62,987
				Share of Collection Charges in the Civil Department	6,806	217	7,023
				Indirect Charges debitable to Revenue Account as per Account No. 5...	7,645	124	7,769
				Total, Charges ...	1,74,712	3,067	1,77,779
				Balance Net Revenue ...	—30,302	2,317	—27,985
Grand Total ..	1,44,410	5,384	1,49,794	Grand Total ...	1,44,410	5,384	1,49,794

N.B.—Last Capital Account detailed in the Administrative Accounts for 1900-01. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue.	24	.....	24
2. Leave and Pension Allowances	7,621	124	7,745
Total ...	7,645	124	7,769

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

YERLA RIVER IRRIGATION WORKS.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,75,719	17,977	3,93,696	1. Head Works ...	47,369	...	47,369
3. Sales of water ...	23	...	23	2. Main Canals and Branches	965	...	965
5. Plantations ...	23,865	...	24,352	Total ...	48,334	...	48,334
6. Other canal produce		487		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	934	...	934	1. Head Works ...	37,704	633	38,337
10. Fines	20	...	20	2. Main Canals and Branches	1,09,095	2,504	1,11,599
11. Miscellaneous Receipts	1,776	...	1,776	3. Distributaries ...	21,876	1,144	23,020
Total ...	4,02,337	18,464	4,20,801	Total ...	1,68,675	4,281	1,72,956
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	1 & 2. Direction and Accounts ...	9,815	193	10,008
				3. Executive ...	89,068	1,721	90,789
				Total ...	98,883	1,914	1,00,797
Total, Receipts ...	4,02,337	18,464	4,20,801	V.—TOOLS AND PLANT ...	3,726	64	3,790
				VI.—REFUNDS OF REVENUE	57	...	57
				Total ...	3,19,675	6,259	3,25,934
				Share of Collection Charges in the Civil Department	18,780	899	19,679
				Indirect Charges debitable to Revenue Account as per Account No. 5	15,048	268	15,316
				Total, Charges ...	3,53,503	7,426	3,60,929
				Balance Net Revenue ...	48,834	11,038	59,872
Grand Total ...	4,02,337	18,464	4,20,801	Grand Total ...	4,02,337	18,464	4,20,801

N.B.—Last Capital Account detailed in the Administrative Accounts for 1907-08. Construction Estimate closed on 31st March 1896 —*vide* Government Resolution No. 666, dated 12th May 1896. Completion Report approved in Government Resolution No. 1419, dated 8th October 1897.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	15,048	268	15,316

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

CHIKHLI CANAL.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	59,460	2,635	62,095	1. Head Works ...	968	...	968
3. Sales of water ...	1	...	1	2. Main Canals and Branches... ...	553	...	553
5. Plantations ..	4,293	...	5,586	Total ...	1,521	....	1,521
6. Other canal produce		1,293					
9. Rents of buildings.	50	...	50	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	80	...	80	1. Head Works ...	1,166	...	1,166
				2. Main Canals and Branches... ...	30,840	430	31,270
Total ...	63,884	3,928	67,812				
				Total ...	32,006	430	32,436
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ..	1,525	19	1,544
				3. Executive ...	19,142	169	19,311
Total, Receipts ...	63,884	3,928	67,812	Total ...	20,667	188	20,855
				V.—TOOLS AND PLANT ...	458	6	464
				VI.—REFUNDS OF REVENUE	144	14	158
				Total ...	54,796	638	55,434
				Share of Collection Charges in the Civil Department	2,977	132	3,109
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,438	26	3,464
				Total, Charges ...	61,211	796	62,007
				Balance Net Revenue ...	2,673	3,132	5,805
Grand Total ...	63,884	3,928	67,812	Grand Total ...	63,884	3,928	67,812

N. B.—Last Capital Account detailed in the Administrative Accounts for 1882-83. Construction Estimate closed on 31st March 1883—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	3,438	26	3,464

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

Maini Tank.

Tank Project.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—Direct Receipts.	Rs.	Rs.	Rs.	I.—Extensions and Improvements.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,08,441	6,740	2,15,181	1. Head Works ...	16,811	...	16,811
5. Plantations ...	6,817	...	8,353	3. Distributaries ...	123	...	123
6. Other canal produce		1,536		Total ...	16,934	...	16,934
9. Rents of Buildings	319	...	319	II.—Maintenance and Repairs.			
10. Fines	54	...	54	1. Head Works ...	12,633	268	12,901
11. Miscellaneous Receipts	102	...	102	2. Main Canals and Branches ...	136	399	535
				3. Distributaries ...	62,383	1,038	63,421
Total ...	2,15,733	8,276	2,24,009	Total ...	75,152	1,705	76,857
				IV.—Establishment.			
II.—Indirect Receipts				1 & 2. Direction and Accounts ...	3,803	77	3,880
				3. Executive ...	41,697	864	42,561
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	45,500	941	46,441
				V.—Tools and Plant...	2,244	26	2,270
Total, Receipts ...	2,15,733	8,276	2,24,009	VI.—Refunds of Revenue	60	22	82
				Total ...	1,39,890	2,694	1,42,584
				Share of Collection Charges in the Civil Department	10,427	337	10,764
				Indirect Charges debitable to Revenue Account as per Account No. 5	7,031	132	7,163
				Total, Charges ...	1,57,348	3,163	1,60,511
				Balance Net Revenue ...	58,385	5,113	63,498
Grand Total ...	2,15,733	8,276	2,24,009	Grand Total ...	2,15,733	8,276	2,24,009

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	288	.....	288
2. Leave and Pension Allowances ...	6,743	132	6,875
Total ...	7,031	132	7,163

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MUCHKUNDI TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,855	...	1,855	1. Head Works ...	410	...	410
3. Sales of Water ...	330	...	330	2. Main Canals and Branches ...	487	...	487
5. Plantations ...	12,370	...	12,541	Total ...	897	...	897
6. Other canal produce ...		171					
10. Fines ...	1	...	1	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	1,771	...	1,771	1. Head Works ...	4,985	99	5,084
				2. Main Canals and Branches ...	3,344	...	3,344
Total ...	16,327	171	16,498	Total ...	8,329	99	8,428
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	386	4	390
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Executive ...	2,977	34	3,011
				Total ...	3,363	38	3,401
Total, Receipts ...	16,327	171	16,498	V.—TOOLS AND PLANT...	103	1	104
				Total ...	12,692	138	12,830
				Share of Collection Charges in the Civil Department ...	114	...	114
				Indirect Charges debitable to Revenue Account as per Account No. 5	469	5	474
				Total, Charges ...	13,275	143	13,418
				Balance Net Revenue ...	3,052	28	3,080
Grand Total ...	16,327	171	16,498	Grand Total ...	16,327	171	16,498

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-1891. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 662, dated 12th April 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	469	5	474

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS ...	...	...	...
1. Water-rates from Irrigation ...	8,959	...	8,959				
5. Plantations ...	84	...	84	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		...					
Total ...	9,043	...	9,043	1. Head Works	7,904	106	8,010
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	373	4	377
Irrigation share of Land Revenue collected in the Civil Department ...	67,945	2,061	70,006	3. Executive	1,401	18	1,419
				Total ...	1,774	22	1,796
Total, Receipts ...	76,988	2,061	79,049				
				V.—TOOLS AND PLANT ...	29	2	31
				VI.—REFUNDS OF REVENUE.	2,021	....	2,021
				Total ...	11,728	130	11,858
Carried over ...	76,988	2,061	79,049	Carried over ...	11,728	130	11,858

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	76,988	2,061	79,049	Brought forward ...	11,728	130	11,858
				Share of Collection Charges in the Civil Department .	7,694	206	7,900
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	248	3	251
				Total, Charges ...	19,670	339	20,009
				Balance Net Revenue ...	57,318	1,722	59,040
Grand Total ...	76,988	2,061	79,049	Grand Total ...	76,988	2,061	79,049

N.B.—Last Capital Account detailed in the Administrative Accounts for 1905-1906. Construction Estimate closed on 31st March 1882 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 101, dated 18th January 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2 Leave and Pension Allowances	248	3	251

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GOKA'K CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.		Rs.
1. Water-rates from Irrigation ...	7,03,225	25,983	7,29,208	1. Head Works ...	4,948	31	4,979
3. Sales of water ...	5,893	338	6,231	2. Main Canals and Branches ...	1,134	...	1,134
5. Plantations ...	20,646	...	21,672	Total ...	6,082	31	6,113
6. Other canal produce.		1,026					
7. Water-power ...	3,37,655	14,313	3,51,968	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	782	67	849	1. Head Works ...	56,118	4,034	60,152
10. Fines	44	...	44	2. Main Canals and Branches ...	34,497	1,255	35,752
11. Miscellaneous Receipts	19,558	1,433	20,991	3. Distributaries ...	23,247	296	23,543
Total ...	10,87,803	43,160	11,30,963	Total ...	1,13,862	5,585	1,19,447
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	5,572	252	5,824
				3. Executive	90,182	3,408	93,590
				Total ...	95,754	3,660	99,414
Total, Receipts ...	10,87,803	43,160	11,30,963	V.—TOOLS AND PLANT...	9,426	84	9,510
				VI.—REFUNDS OF REVENUE... ...	2,251	...	2,251
				Total ...	2,27,375	9,360	2,36,735
				Share of Collection Charges in the Civil Department	39,943	1,314	41,257
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	13,405	512	13,917
				Total, Charges ...	2,80,723	11,186	2,91,909
				Balance Net Revenue ...	8,07,080	31,974	8,39,054
Grand Total ...	10,87,803	43,160	11,30,963	Grand Total ...	10,87,803	43,160	11,30,963

N. B.—Last Capital Account detailed in the Administrative Accounts for 1906-07 and No. 6 in 1909-1910. Construction Estimate closed on 31st March 1897—*vide* Government Resolution No. 1393, dated 2nd October 1897. Completion Report approved in Government Resolution No. 327, dated 10th February 1900.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

GOKÁK CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1916-1917.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1915-1916.	5,22,671	Net Revenue realized to end of 1915-1916.	3,743
Interest charges for the year 1916-1917 ...	13,217	Do. during 1916-1917 ...	...
			3,743
		Balance net Interest charges ...	5,32,145
Total ...	5,35,888	Total ...	5,35,888

Interest on outlay charged to 35—Protective Works as per Government of India's No. 4-A. I. of 19th January 1891.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	13,405	512	13,917

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DAMBAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	634	...	634
1. Water-rates from Irrigation ...	17,064	368	17,432	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	11,814	...	12,461	1. Head Works ...	13,070	374	13,444
6. Other canal produce		647		3. Distributaries ...	670	...	670
11. Miscellaneous Receipts	384	...	384	Total ...	13,740	374	14,114
Total ...	29,262	1,015	30,277	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	606	16	622
II.—INDIRECT RECEIPTS.				3. Executive	12,658	672	13,330
				Total ...	13,264	688	13,952
Irrigation share of Land Revenue collected in the Civil Department.	30,350	916	31,266	V.—TOOLS AND PLANT ...	4	5	9
				VI.—REFUNDS OF REVENUE ...	126	...	126
				Total ...	27,768	1,067	28,835
Total, Receipts ...	59,612	1,931	61,543	Share of Collection Charges in the Civil Department	4,070	110	4,180
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,989	96	2,085
				Total, Charges ...	33,827	1,273	35,100
				Balance Net Revenue...	25,785	658	26,443
Grand Total ...	59,612	1,931	61,543	Grand Total ...	59,612	1,931	61,543

N.B.—Last Capital Account detailed in the Administrative Accounts for 1885-86.

Construction Estimate closed on 31st March 1886—*vide* Government Resolution No. 1411, dated 12th September 1893.

Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	124	.....	124
2. Leave and Pension Allowances	1,865	96	1,961
Total ...	1,989	96	2,085

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MEDLERI TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	141	...	141
1. Water-rates from Irrigation ...	17,401	445	17,846	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	495	...	821	1. Head Works ...	13,001	242	13,243
6. Other canal produce		326		2. Main Canals and Branches ...	24	...	24
11. Miscellaneous Receipts ...	88	...	88	3. Distributaries ...	2,191	...	2,191
Total ...	17,984	771	18,755	Total ...	15,216	242	15,458
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	634	11	645
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive ...	11,841	511	12,352
				Total ...	12,475	522	12,997
				V.—TOOLS AND PLANT ..	4	4	8
Total, Receipts ...	17,984	771	18,755	VI.—REFUNDS OF REVENUE.	299	...	299
				Total ...	28,135	768	28,903
				Share of Collection Charges in the Civil Department	869	22	891
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,745	73	1,818
				Total, Charges ...	30,749	863	31,612
				Balance Net Revenue ...	—12,765	—92	—12,857
Grand Total ...	17,984	771	18,755	Grand Total ...	17,984	771	18,755

N. B.—Last Capital Account detailed in the Administrative Accounts for 1887-88. Construction Estimate closed on 31st March 1888—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,745	73	1,818

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MADAG TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	91,342	1,559	92,901	2. Main Canals and Branches ...	1,537	...	1,537
5. Plantations ...	6,501	52	6,694	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		141		1. Head Works ...	1,462	...	1,462
11. Miscellaneous Receipts	81	...	81	2. Main Canals and Branches ...	48,066	611	48,677
Total ...	97,924	1,752	99,676	Total ...	49,528	611	50,139
II.-INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	....	1 & 2. Direction and Accounts ...	1,881	27	1,908
				3. Executive	32,407	1,005	33,412
				Total ...	34,288	1,032	35,320
Total, Receipts ...	97,924	1,752	99,676	V.—TOOLS AND PLANT ...	550	9	559
				Total ...	85,903	1,652	87,555
				Share of Collection Charges in the Civil Department .	4,579	78	4,657
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,433	144	5,577
				Total, Charges ...	95,915	1,874	97,789
				Balance Net Revenue ...	2,009	—122	1,887
Grand Total ...	97,924	1,752	99,676	Grand Total ...	97,924	1,752	99,676

N.B.—Last Capital Account detailed in the Administrative Accounts for 1888-89. Construction Estimate closed on 31st March 1889—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	5,433	144	5,577

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

ASUNDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	15,950	608	16,558	1. Head Works ...	219	...	219
5. Plantations... ...	1,044	...	1,591	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		547		1. Head Works ...	22,683	312	22,995
10. Fines	19	...	19	3. Distributaries ...	2,043	...	2,043
11. Miscellaneous Receipts	38	...	38	Total ...	24,726	312	25,038
Total ..	17,051	1,155	18,206	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	1,212	14	1,226
Irrigation share of Land Revenue collected in the Civil Department ...	18,332	687	19,019	3. Executive	19,352	614	19,966
				Total ...	20,564	628	21,192
				V.—TOOLS AND PLANT ...	504	5	509
				Total ...	46,013	945	46,958
Total, Receipts ...	35,383	1,842	37,225	Share of Collection Charges in the Civil Department	2,653	99	2,752
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,889	88	2,977
				Total, Charges ...	51,555	1,132	52,687
				Balance Net Revenue ...	—16,172	710	—15,462
Grand Total ...	35,383	1,842	37,225	Grand Total ..	35,383	1,842	37,225

N. B.—Last Capital Account detailed in the Administrative Accounts for 1889-90. Construction Estimate closed on 31st March 1890—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	9	.....	9
2. Leave and Pension Allowances	2,880	88	2,968
Total ...	2,889	88	2,977

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1916-1917.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1916-1917.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
K. Buildings	2,286	...	2,286	2,286	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,775	...	1,775	1,775	...
B. Land	476	...	476	476	...
D. Regulators	18,089	71	18,160	18,607	...
F. River and Hill Torrent Works ...	18,405	—242	18,163	18,523	...
G. Bridges	868	...	868	875	...
H. Escapes	5,011	1,730	6,741	7,514	...
K. Buildings	3,170	...	3,170	3,386	...
L. Earth-work	16,524	—499	16,025	19,837	...
O. Miscellaneous	892	976	1,868	4,519	...
Total, Main Canals and Branches ...	65,210	2,036	67,246	75,512	...
Total, I.—Works ...	67,496	2,036	69,532	77,798	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,530	92	3,622	3,479	...
3. Executive	11,042	346	11,388	13,145	...
Total, Establishment ...	14,572	438	15,010	16,624	...
III.—TOOLS AND PLANT ...	964	30	994	1,160	...
Grand Total ...	83,032	2,504	85,536	95,582	...
V.—*Less* Receipts on Capital Account ...	...	...	...	...	...
Net Outlay ...	83,032	2,504	85,536	95,582	...
APPORTIONMENT.					
Chargeable to 43—Minor Works and Navigation	83,032	2,504	85,536	95,582	...

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipts.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
1. Water-rates from Irrigation ...	3,683	2,347	6,030	1. Head Works ...	4,317	...	4,317
6. Other canal produce.	...	10	10	2. Main Canals and Branches ...	789	1,282	2,071
11. Miscellaneous Receipts ...	319	74	393	Average expenditure before Improvements .	—4,170	—1,390	—5,560
Total ...	4,002	2,431	6,433	Total ...	936	—108	828
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department .	54,585	18,195	72,780	1 & 2. Direction and Accounts ...	157	54	211
Average Indirect Revenues as per Government Resolution No. A.I.—1650, dated 16th August 1911 ...	—69,468	—23,156	—92,624	3. Executive ...	3,696	1,370	5,066
				Total ...	3,853	1,424	5,277
Total ...	—14,883	—4,961	—19,844	V.—TOOLS AND PLANT ...	26	18	44
				Total ...	4,815	1,334	6,149
Total, Receipts ...	—10,881	—2,530	—13,411	Share of Collection Charges in the Civil Department ...	—1,288	—375	—1,663
				Indirect Charges debitable to Revenue Account as per Account No. 5	540	199	739
				Total, Charges ...	4,067	1,158	5,225
				Balance Net Revenue ...	—14,948	—3,688	—18,636
Grand Total ...	—10,881	—2,530	—13,411	Grand Total ...	—10,881	—2,530	—13,411

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	2	.....	2
2. Leave and Pension Allowances ...	2,040	61	2,101
Total ...	2,042	61	2,103
REVENUE—			
2. Leave and Pension Allowances ...	540	199	739

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	69,532	77,798	8,266	69,532	Revised Estimate sanctioned in Government Resolution No. W. I. 4695 (P. W. D.), dated 4th May 1916.
Establishment ...	...	...	...	15,010	16,624	1,614	15,010	
Tools and Plant ...	...	...	...	994	1,160	166	994	
Total ...	...	...	...	85,536	95,582	10,046	85,536	
Less—Receipts on Capital Account.	...	...	...	...	...	...	...	
Net Total ...	...	...	...	85,536	95,582	10,046	85,536	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	...	...	...	2	425	423	2	
Leave and Pension Allowances ...	...	...	...	2,101	2,327	226	2,101	
Total ...	...	...	...	2,103	2,752	649	2,103	
Grand Total ...	...	...	...	87,639	98,334	10,695	87,639	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

MAVINKOP TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1916-1917.

Receipt.	Total.			Charges.	Total.		
	Previous.	1916-1917.	Total.		Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
5. Plantations ...	28	...	28	1. Head Works ...	1,440	...	1,440
6. Other canal produce.		...		3. Distributaries ...	158	...	158
				Total ...	1,598	...	1,598
11. Miscellaneous Receipts	169	...	169	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	3,126	775	3,901
Total ...	197	...	197	3. Distributaries ...	348	...	348
				Total ...	3,474	775	4,249
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	234	34	268
Irrigation share of Land Revenue collected in the Civil Department.	52,645	2,244	54,889	3. Executive ...	3,202	983	4,185
				Total ...	3,436	1,017	4,453
Total ...	52,645	2,244	54,889	V.—TOOLS AND PLANT.	2	12	14
				Total ...	8,510	1,804	10,314
Total, Receipts ..	52,842	2,244	55,086	Share of Collection Charges in the Civil Department ...	5,274	224	5,498
				Indirect Charges debitable to Revenue Account as per Account No. 5	482	142	624
				Total, Charges ...	14,266	2,170	16,436
				Balance Net Revenue ...	38,576	74	38,650
Grand Total ...	52,842	2,244	55,086	Grand Total ...	52,842	2,244	55,086

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1882—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—*Account of Indirect Charges for, and to end of,* 1916-1917.

Particulars.	Previous.	1916-1917.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	482	142	624

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1916-1917.

43.—MINOR WORKS AND NAVIGATION.

WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

SIND.

No. 3.—Revenue Account for, and to end of, 1916-1917.

Receipts.	Total. Previous.	1916-1917.	Total.	Charges.	Total. Previous.	1916-1917.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,18,972	24,184	4,43,456	I.—EXTENSIONS AND IMPROVEMENTS ...	19,96,640	1,50,535	21,47,175
3. Sales of water ...	301	269	570				
4. Water supply of towns ...	1		1				
5. Plantations ...	2,26,992	2,168	2,39,552	II.—MAINTENANCE AND REPAIRS ...	86,58,489	4,94,488	91,52,977
6. Other canal produce		10,392					
8. Navigation ...	12	10	22				
9. Rents of buildings.	24,350	2,697	27,047				
10. Fines	27,433	5,331	32,764				
11. Miscellaneous Receipts ...	3,66,741	15,321	3,82,062	IV.—ESTABLISHMENT.			
Receipts from 1874-75 to 1899-1900.	12,02,054	...	12,02,054	1 & 2. Direction and Accounts ...	4,58,291	24,799	4,83,090
Total ...	22,66,856	60,672	23,27,528	3. Executive	16,48,931	1,16,534	17,65,465
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	3,73,86,390	27,86,710	4,01,73,100	Total ...	21,07,222	1,41,333	22,48,555
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st Aug. 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	6,80,430	49,368	7,29,798	V.—TOOLS AND PLANT ...	13,269	—3,917	9,352
				VI.—REFUNDS OF REVENUE ...	—32	...	—32
				Suspense Accounts ...	...	—2,564	—2,564
Receipts from 1874-75 to 1899-1900 ...	4,71,38,677	...	4,71,38,677	Total ...	1,27,75,588	7,79,875	1,35,55,463
Total ...	8,52,05,497	28,36,078	8,80,41,575				
Total, Receipts ...	8,74,72,353	28,96,750	9,03,69,103	Share of Collection Charges in the Civil Department	22,89,969	1,69,011	24,58,980
Note.—Loss to the canal on account of difference between asssessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Indirect Charges debitable to Revenue Account as per Account No. 5	*	*	*
				Charges from 1874-75 to 1899-1900 ...	2,22,85,677	...	2,22,85,677
Rs.							
To end of 1915-1916 ... 33,13,375							
Loss for 1916-1917 ... 1,91,086							
Total ... 35,04,461				Total, Charges ...	3,73,51,234	9,48,886	3,83,00,120
				Balance Net Revenue ...	5,01,21,119	19,47,864	5,20,68,983
Grand Total ...	8,74,72,353	28,96,750	9,03,69,103	Grand Total ...	8,74,72,353	28,96,750	9,03,69,103

* Not calculated in respect of Works for which only Revenue Accounts are kept.

N.B.—This account has been prepared in accordance with the instructions contained in Government of India's No. 686-C.W.I., dated 10th June 1901, communicated in Government Resolution No. A. I.—1453, dated 12th July 1901.

BOMBAY : PRINTED AT THE GOVERNMENT CENTRAL PRESS.

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STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, DECCAN AND GUJARAT,

FOR THE YEAR 1916-1917.

B 990—83a

STATEMENT

Statement of Canals in the Bombay

Source of Supply of Water.	(1) Pravara Right Bank Canal.	(2) Girna Left Bank Canal.	(3) Godávari Canals.		(4) Nira Left Bank Canal.	(6) Nira Right Bank Canal.	(9) Háthmati and Khári Cut Canals combined.	
	Pravara River.	Girna River.	Godávari River, Right Bank Canal.	Godávari River, Left Bank Canal	River Nira and Reservoir at Bhátghar.	River Nira and Reservoir at Vir.	Háthmati Canal, Háthmati River.	Khári Cut Canal, Khári River.
Minimum discharge per second. C. ft. per second.	K. 10·43	K. 140·73	Right Bank K. 45·40	Left Bank. K. 82·37	K. 1,318	Under construction.	K. 6	2
	R. 11·34	R. 187·38	R. 92·71	R. 28·84	R. 34		R. 13	4
	H.W. 18·88	H.W. Supplied from Chakapur Tank.	H. W. 75·92	H.W. 50·27	H. W. 5		H.W. 7	1
Maximum discharge of canal. „ ...	K. 87·50	K. 46·25	K. 201·95	K. 103·91	456		K. 322	346
	R. 83·67	R. 58·46	R. 229·74	R. 91·20			R. 85	157
	H.W. 81·83	H.W. 56·64	H.W. 298·59	H.W. 148·27			H.W. 232	62
Average annual rainfall ... Inches.	22·43	20·95	20·80	23·86	21·06	145*	K. 28·28 / R. 0·29	29·57 / 0·43
Gross area commanded ... Acres.	73,763	18,982	144,310	88,030	274,447	600,000	44,744	32,000
Culturable do. ... „	60,000	15,109	136,390	83,000	227,670	480,000	28,840	20,000
Area irrigable by complete project ... ... „	45,000	15,000	49,331	30,109	113,280	283,000	11,336	16,000
Area irrigable at present ... „	24,656	5,100	33,501	15,310	113,280	.....	8,000	16,000
Sanctioned Estimate—								
Direct charges ... ... Rs.	71,54,934	16,46,304	93,55,562		57,34,655	2,49,71,868	4,94,705	1,91,019
Indirect charges ... ... „	4,55,892	56,525	4,80,689		3,69,780	8,00,631	30,000	16,365
Interest during construction . „	.....	.....	... ..		28,44,872	.....	2,37,687	.....
Total, Estimate ... Rs.	(a) 76,10,826	17,02,829	(a) 98,36,251		89,49,307†	2,57,72,499	7,62,392	2,07,384
Expenditure to end of 1916-1917. Direct charges ... Rs.	65,43,657	18,41,062	95,21,042		60,96,736	1,07,39,412	4,90,925	7,50,237
Indirect charges „	2,10,801	61,127	4,87,855		3,64,335	2,36,633	26,913	46,900
Interest during construction ... „	8,10,147	6,55,216	20,50,516		31,56,403	8,55,960	2,37,687	.....
Total Expenditure ... Rs.	75,64,605	25,57,405	1,20,59,413		96,17,474†	1,18,32,005	7,55,525	7,97,137
Works as now sanctioned—								
Main Canals, Irrigation ... Miles.	33	13·11	70½	48	100·25	110	21	31
Branch Canals do. ... „	.....	.....	.....	.....	.....	.....	.....	8
Distributaries ... ... „	13	9·80	48	9·46	139·00	.....	25	27
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....
Works completed at end of 1916-1917—								
Main Canals, Irrigation ... Miles.	33	13·11	70½	48	100·25	.....	21	31
Branch Canals do. ... „	.....	.....	.....	.....	.....	.....	.....	8
Distributaries ... ... „	13	9·93	48	9·46	139·00	.....	30	27
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....

(a) These are for the whole Project.

* Estimated rainfall in the catchment.

† These figures do not include the amount for widening of the Nira Left Bank Canal.

I-A.

Presidency, excluding Sind, for the year 1916-1917.

(11) Ka'dva River Works.			(12) Lákh Canal.	(15) Krishna Canal.	(22) Jámda Canal.	(24) Pravara Left Bank Canal.	(32) Revári Canal.	(35) Chikhli Canal.	(39) Gokák Canal, 1st Section, and Storage Works.	(45) Dharma Canal.
Pálkhed Canal.	Ojhar Támbat Canal.	Wadáli Canal.								
Kádva River.	Bánganga River.	Kádva River.	Pravara River.	River Krishna.	Girna River.	Pravara River.	River Wárna.	River Nándni.	River Ghatprabha and Storage works.	Dharma River.
K. 4·64	K. 2·34	K. 5·58	K. 5·30	K. 1002·97	K. 26	Canal closed temporarily for widening and extension.	K. 6·80	K. 2·65	K. Flood.	K. Information not available.
R. } Supplied from Waghad tank	R. } Supplied from Waghad tank.	R. 5·58	R. 9·04	R. 101·25	R. 134·40		R. 10·21	R. 19·70	R. 184·68	R. Nil.
H.W. } Supplied from Waghad tank	H.W. } Supplied from Waghad tank.	H.W. 5·58	H.W. 1·10	H.W. 30·60	H.W. 51·20		H.W. 3·45	H.W. 1·91	H.W. Nil.	H.W. Nil.
					Left Bank. Right Bank.				Canal. Mills.	
K. 41·93	K. 8·90	K. 9·01	K. 22·73		K. 69·69 19·65				K. 66 68	K. 264·47
R. 41·93	R. 15·95	R. 9·03	R. 26·79	85·18	R. 58·71 15·80		9·08	26·99	R. 66 68	R. Nil
H.W. 39·55	H.W. 15·65	H.W. 13·35	H.W. 21·66		H.W. 57·60 20·27				H.W. 66 68	H.W. Nil.
26·44	19·90	20·29	22·49	26·20	25·37	22·26	27·20	22·53	Dhupdal 31·59 Gokák 31·92	83·79
					Left Bank. Right Bank.					
28,832	8,055	3,486	29,913	28,327	37,122 9,166	23,724	3,813	1,871	18,668	13,562
26,280	7,421	2,729	25,536	26,453	33,124 7,061	21,155	3,624	1,478	17,627	12,870
23,466	6,824	2,433	22,760	12,320	3,500 1,500	20,088	1,920	1,478	17,627	12,870
9,837	2,367	2,433	11,280	12,320	3,500 1,500	14,763	1,920	1,478	17,627	12,870
2,38,087	14,541	29,771	3,75,189	8,29,067	10,27,238	3,25,902	56,324	53,803	13,19,115	95,582
15,761	833	1,540	20,277	48,216	61,402	22,309	3,124	3,612	76,902	2,752
2,12,554	2,411	32,150	3,65,298	7,83,613	.....	...	...	...	1,44,865	.....
4,66,402	17,785	63,461	7,60,764	16,60,896	10,88,640	3,48,211	59,448	57,415	15,40,882	98,334
2,71,376	7,186	28,291	3,52,446	8,92,960	9,91,178	3,24,317	56,771	53,803	13,01,750	85,536
17,216	647	2,354	19,445	51,482	49,911	23,233	3,040	3,639	80,172	2,103
3,17,565	5,044	45,031	3,55,414	7,83,061	.....	...	...	...	2,41,093	.....
6,06,157	12,877	75,676	7,27,305	17,27,503	10,41,089	3,47,550	59,811	57,442	16,23,015	87,689
11	8	8·62	23	35·25	39	19	5·66	6·50	4·10	19·00
.....	.....	...	...	26·25	.....	...	5·25	...	12·03	8·15
21·50	.....	...	11	...	75	25	...	...	35·43	3·71
.....	.....	...	...	...	.....	...	...	...	.....	.....
11	4·50	8·62	23	35·25	39	19	5·00	6·50	4·10	19·00
.....	.....	...	...	28·62	.....	...	5·25	...	12·03	8·15
14·36	.....	...	9·37	...	75	21	...	...	35·43	3·71
.....	.....	...	...	...	.....	...	...	...	.....	.....

STATEMENT

Statement of Reservoir Projects in the

Source of Supply.	(2) Chankapur Tank. Girna River.	(3) Dárna Reservoir. Dárna River.	(4) Bhátghar Reservoir, Nira Canal. Velvandi River, Ghát Catchment.	(4) A Shetphal Tank. Nira Canal.	(5) Mhasvad Tank. Mán River.	(10) Lower Pánjhra River Works and Mukti Tank. Local Streams.	(11) Kádva River Works (Wághad Tank). Kolvan River, Ghat Catchment.	(13) Mutha Reservoir, Lake Fife. Mutha River, Ghat Catchment.	(13) A Mátoba Tank. Small Nala and Mutha Right Bank Canal.	(14) Ekrúk Tank. Adhela River.	(16) Wangroli Tank. Kharwa Nála.	(17) Tranza Tank. Mátar Drainage Channel.	(17) Nagramma Tank. Mátar Drainage Channel.	(18) Sávli Tank. Gadia Tank.	(19) Sahiat Tank. Sahiat Nála.	(20) Hartála Tank. Local Streams.
If supplied by rainfall. Area of catchment ... Sq. miles.	190·00	156	128	2·33	480	34·2	29·00	196	10·00	159	13	Nil.	(*j*) 1·5	11	12·5	6·30
If supplied by rainfall. Average annual rainfall ... Inches.	38·23	43·21	145	19·06	37·65	20·81	47·99	138	16·57	29·23	32·53	27·44	27·44	28·67	28·51	26·25
Contents of tanks between levels of surface of full supply and sill of canal head sluice. Millions of cubic feet.	1,548	8,818·30	5,313	572	2,633	342	606	(*g*) 3,447	(*i*) 220	3,310	†212·00	79·97	97·14	(*n*) 162·40 (*o*) 210	130	131
Area of surface at full supply. Acres and decimals.	1,043·49	8,584·02	4,775	898	4,013·80	509	778	3,753	417·46	4,551	‡596·87	196·0	273·00	557·00	662·61	472
Gross area commanded. Acres.	(*a*)...	232,390	No irrigation direct from the Reservoir.	*25,000	129,045	13,117	(*e*)...	94,087	10,700	17,152	5,000	1,000	500	4,700	4,000	531
Culturable do. ... ... „	(*a*)...	219,390		*25,000	106,214	12,627	(*e*)...	(*h*) 49,800	7,133	16,941	5,000	888	402	4,700	4,000	527
Area irrigable by complete project. „	(*a*)...	79,449		4,200	24,800	12,627	(*e*)...	16,800	3,250	16,941	3,000	500	300	3,000	2,000 to 2,500	415
Do. at present. „	(*a*)...	48,811		4,200	4,846	12,627	(*e*)...	16,800	3,250	16,941	3,400	500	200	3,000	2,000	415
Wells supplied by tanks. No.	...	...		...	12	...	...	...	...	...	Nil.	Nil.	Nil.	Nil.	Nil.	...
Sanctioned Estimate—																
Direct Charges ... Rs.	(*a*)...	(*a*)...	(*a*)...	7,04,442	20,24,327	4,44,486	4,67,662	64,62,810	1,93,000	12,28,243	2,01,575	2,61,048		2,25,763	1,54,133	48,890
Indirect Charges ... „	(*a*)...	(*a*)...	(*a*)...	46,435	1,03,947	22,774	16,835	2,56,743	17,500	1,06,687	46,969	51,686		23,519	32,649	26,159
Interest during construction ... ... „	(*a*)...	(*a*)...	(*a*)...	55,157	6,56,222	2,37,421	2,17,233	56,54,209	...	8,00,650	Nil.	Nil.		Nil.	Nil.	...
Total Estimate ... Rs.	(*a*)...	(*a*)...	(*a*)...	8,06,034	27,84,496	7,04,681	7,01,730	1,23,73,762	2,10,500	21,35,580	2,48,544	3,12,734		2,49,282	1,86,782	75,049
Expenditure to end of 1916-1917. Direct Charges. Rs.	(*a*)...	(*a*)...	(*a*)...	(*a*)...	20,05,553	4,45,362	6,64,888	76,18,735	Included in the Mutha Canal.	12,28,117	2,38,960	2,38,632		2,34,179	1,58,452	47,948
Indirect Charges. „	(*a*)...	(*a*)...	(*a*)...	(*a*)...	90,463	23,239	42,233	3,01,502		1,12,269	50,673	41,576		21,031	25,577	25,434
Interest during construction ... „	(*a*)...	(*a*)...	(*a*)...	(*a*)...	14,45,492	4,18,839	4,45,241	56,50,549		10,27,893	Nil.	Nil.		Nil.	Nil.	...
Total Expenditure ... Rs.	(*a*)...	(*a*)...	(*a*)...	(*a*)...	35,41,508	8,87,460	11,52,362	1,35,70,786	...	23,68,279	2,89,633	2,79,908		2,55,210	1,84,029	73,382
Works as now sanctioned—																
Dam (earth or masonry) ...	Masonry	Masonry	Masonry.	Earth.	Earth.	Earth.	Earth.	Masonry.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.
Total height ... ... Feet.	92	92	127 (*c*)	66·00	79·79	65	95	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	51·50
Canals ... ...Miles.	(*b*)...	118½	108 (*d*) *Vide* statement No. I-A.	6·54	(*f*) 66·25	...	(*e*)...	88·00	...	48	13·79	5·35	2·25	8·35	9·25	...
Distributaries ... „	(*b*)...	57·46		...	43·36	45	(*e*)...	70·00	17·00	1·68	Nil.	Nil.	Nil.	1·32	0·85	5·50
Works completed at end of 1916-1917—																
Dam (height completed) ... ... Feet.	92	92	127 (*c*)	66·00	79·79	65	96	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	51·50
Canals ... ...Miles.	(*b*)...	118½	108 (*d*) *Vide* statement No. I-A.	6·54	(*f*) 66·25	...	(*e*)...	88·00	...	48	13·79	5·35	2·25	8·35	9·25	...
Distributaries ... „	(*b*)...	57·46		...	43·36	45	(*e*)...	67·00	17·00	1·68	Nil.	Nil.	Nil.	1·32	0·85	5·50

* This area is also commanded by the Nira Left Bank Canal.
† Corrected as the F. S. L. is raised by 0·50 feet, *i.e.* to R. L. 102·50.
‡ Corrected as found by actual contours.
(*a*) Figures given in Statement I-A.
(*b*) The tank supplies the Girna Left Bank Canal and bandharas there below.
(*c*) Above lowest foundation.
(*d*) Above lowest point in river bed.
(*e*) The tank supplies the Pálkhed, Ojhar Támbat, and Wadáli Canals and their distributaries as noted in Statement I-A.
(*f*) Includes 38¾ miles of Branch Canal.
(*g*) Storage available after deducting 508 M. cft. which cannot be used on account of the Poona water-supply.
(*h*) Includes 7·133 commanded by Matoba Tank.
(*i*) After deducting silt deposits.
(*j*) The catchment area of the drainage channel is 13 square miles in addition.
(*k*) Gauged at the respective stations.
(*l*) Assumed.
(*m*) Gauged in the catchment area.
(**) The contents at present after deducting silt are 75·82 M. cft.
(*n*) At provisional F. S. L. R. L. 106·50.
(*o*) At original F. S. L. 105·00.

II-A.

Bombay Presidency, excluding Sind, for 1916-1917.

(21)	(23)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(33)	(34)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(4.)
Mhasva Tank.	Parsul Tank.	Bhátodi Tank.	Kásurdi Tank.	Shirsuphal Tank.	Bhádalvádi Tank.	Koregaon Tank.	Ashti Tank.	Páthri Tank.	Upper Mán River Works (Pingli Tank).	Yerla River Irrigation Works (Nehr Tank).	Maini Tank.	Muchkundi Tank.	Gadikeri Tank.	Gokák Canal, 1st Section, and Storage Works.	Pambal Tank.	Medleri Tank.	Asundi Tank.	Madag Tank.	Mávinkop Tank.	[illegible] Tank.
Local Streams.	Parsul River.	Mehekri River.	Kásurdi Nála.	Deccan Tributary of the Bhima River.	Deccan Tributary of the Bhima River.	Nála.	Ashti Nála.	Yerai River.	Mán River.	Yerla River.	Wanga Nála	Muchkundi Nála.	Nála.	Ghatprabha River, Ghat Catchment.	Nála.	Medleri Nála.	Nála.	Kumudwati River.	Nála.	[illegible] Nála.
13·40	17·33	44	6	23	23	7	92	27·5	20·00	59·55	51·70	26·00	4·68	1,080	43	11	23	540	6·25	7
27·90	18·09	31·37	13·14	17·05	20·14	28·49	24·96	30·30	18·35	25·55	21·48	20·34	35·64	(a)	(k) 19·87 (m) 21·68	(k) 19·81	(k) 23·90	(k) 29·60 (m) 43·51	(l) 39·01	27·87
172	118·70	(**) 154	9·14	356·64	190·77	104	1,419	407	192	489·77	183·60	624	27·50	907·182	113·66	57·60	74	54·630	45·75	50
421	151	315	379	833·79	335·18	202	2,830	681	349·04	676·09	427·76	1,059	129·00	2,731·86	442	169	418	362	170·5	193·5
4,647	3,337	15,126	597	4,500	3,000	2,304	17,882	5,000	8,443	11,234	4,876	5,570	687	(a)	3,000	1,916	1,800	2,851	872	1,500
4,075	3,197	13,657	478	2,500	2,400	2,394	16,825	4,586	7,623	10,680	4,625	5,417	Not known.	(a)	2,500	830	1,011	1,345	755	1,50[illegible]
1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	6,000	4,625	3,417	450	(a)	2,500	1,052	1,011	2,186	755	810
1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	5,480	4,625	750	417	(a)	1,090	600	1,011	1,345	617	80[illegible]
...	...	...	...	...	...	....	...	...	29	28	13	...	Not known.	41	Uncertain.	Nil.	Nil.	Nil.	Nil.	Nil.
1,29,813	2,15,366	3,51,767	40,812	2,09,460	2,14,382	40,731	7,54,253	6,43,141	4,16,341	6,96,754	3,68,000	1,48,200	16,990	(a)	61,162	78,237	67,731	2,32,263	30,379	1,02,11[illegible]
10,202	8,246	26,511	4,778	12,822	14,342	1,318	80,677	29,715	28,160	48,560	22,492	20,220	541	(a)	3,744	3,468	12,754	17,144	4,005	8,69[illegible]
...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...	Nil.
1,40,015	2,23,612	3,78,278	45,590	2,22,282	2,28,724	42,049	8,34,927	6,72,856	4,44,531	7,45,314	3,90,492	1,68,420	17,531	(a)	64,906	81,705	80,485	2,49,407	34,384	1,10,7[illegible]
1,28,781	2,08,607	3,52,685	40,812	2,12,199	2,13,115	37,923	7,57,050	6,27,825	4,15,835	7,19,542	4,62,125	1,49,217	16,363	(a)	60,847	78,354	60,741	1,61,246	30,185	1,07,5[illegible]
10,175	6,988	27,022	4,778	12,369	14,307	1,266	79,041	15,021	23,451	45,328	25,525	18,490	555	(a)	3,133	3,038	14,254	6,359	3,319	9,16[illegible]
...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...	Nil.
1,38,956	2,14,995	3,79,707	45,590	2,24,568	2,27,422	39,189	8,35,091	6,42,846	4,39,286	7,64,870	4,87,650	1,58,707	16,918	(a)	63,980	81,392	74,995	1,67,578	33,504	1,16,46[illegible]
Earth.	Earth.	Masonry	Earth.	Earth.	Earth.	2 dams, 1 earth & 1 masonry.	Earth.	Earth.	Earth	Earth.	Earth.	Masonry	Earth.	Masonry weir.	Earth.	Earth	Earth.	Earth.	Earth.	Earth.
44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60	20	27 ft. (maximum above foundation).	42·25	41	33·95	100	30·53	29
...	...	4·50	...	...	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	16·13	Nil.	Nil.	Nil.	9	Nil.	4·48
7	4·75	5·50	1·75	12·50	9·75	...	3·15	3·33	6·50	4	7·58	2·25	Irrigation Channels.	35·43	3·27	5·64	4·86	Nil.	2·79	Nil.
44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60	20	27·00	41	33·95	100	30·53	Nil.	29
...	...	4·50	...	..	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	4·10 and Wadarhatti Branch, 12·03	Nil.	Nil	Nil.	9	Nil.	3·39
7	4·75	5·50	1·75	12·50	9·75	...	3·15	3·33	6·50	4	7·58	2·25	Irrigation Channels.	35·43	3·27	64	4·86	Nil.	2·79	Nil.

STATEMENT

Capital Account of Irrigation Works in Deccan

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—Protective Irrigation Works.									
In Operation.									
1. Pravara River Canal	8,18,054	1,64,277	—1,72,464	8,09,867	1,322	8,08,545	3,423	22,999	26,422
2. Chankápur Tank	13,874	2,892	208	16,974	...	16,974	...	405	405
3. Godávari Canal	1,23,296	40,346	1,227 (a) 611	1,65,480	...	1,65,480	1,518	5,648	7,166
4. Nira Canal and Shetphal Tank ...	...	...	...	...	...	...	...	...	...
5. Mhasvad Tank	...	...	...	...	...	...	...	...	...
Total ...	9,55,224	2,07,515	—1,71,029 (a) 611	9,92,321	1,322	9,90,999	4,941	29,052	33,993
Under Construction.									
6. Máládevi Tank	...	...	...	...	...	...	...	...	...
7. Budhihal Tank	283	61	4	348	210	138	...	9	9
8. Nira Right Bank Canal	12,08,580	2,12,422	27,392 (a) 9,851	14,58,245	3,640	14,54,605	1,046	29,739	30,785
Total ...	12,08,863	2,12,483	27,396 (a) 9,851	14,58,593	3,850	14,54,743	1,046	29,748	30,794
Total, Protective Works ...	21,64,087	4,19,998	—1,43,633 (a)10,462	24,50,914	5,172	24,45,742	5,987	58,800	64,787
49.—IRRIGATION WORKS.									
Productive Works.									
9. Háthmati Canal and Khári Cut Canal	...	...	...	...	...	...	...	...	...
10. Lower Pánjhra River Works	...	...	...	...	...	...	...	...	...
11. Kádva River Works	...	...	...	...	...	...	...	...	...
12. Pravará River Works—Lákh Canal ...	...	...	...	...	...	...	...	...	...
13. Mutha Canals and Mátoba Tank ...	24,954	8,366	583	33,903	...	33,903	...	1,171	1,171
14. Ekruk Tank	...	...	...	...	...	...	...	...	...
15. Krishna Canal	1,560	335	24	1,919	...	1,919	...	47	47
Total, Productive Works ...	26,514	8,701	607	35,822	...	35,822	...	1,218	1,21
Total, Major Works ...	21,90,601	4,28,699	—1,43,026 (a)10,462	24,86,736	5,172	24,81,564	5,987	60,018	66,005
43.—MINOR WORKS AND NAVIGATION.									
In Operation.									
16. Wangroli Tank	2,256	312	22	2,590	...	2,590	...	44	44
17. Tranza-Nagramma Tanks	...	...	...	...	...	...	...	...	...
18. Savli Tank	...	...	...	...	...	...	...	...	...
19. Sahiat do.	...	...	...	...	...	...	...	...	...
20. Futelao do.	813	175	12	1,000	...	1,000	6,680	24	6,704
21. Hartala do.	...	...	...	...	...	...	...	...	...
22. Mhasva do.	...	...	...	...	...	...	...	...	...
23. Jámda Canals	...	...	...	...	...	...	...	...	...
24. Parsul Tank	...	...	...	...	...	...	...	...	...
25. Pravara Left Bank Canal	...	...	...	...	...	...	...	...	...
26. Bhátodi Tank	...	...	...	...	...	...	...	...	...
27. Kásurdi do.	...	...	...	...	...	...	...	...	...
28. Shirsuphal do.	...	...	...	...	...	...	...	...	...
29. Bhádalwádi do.	...	...	...	...	...	...	...	...	...
30. Koregaon do.	...	...	...	...	...	...	...	...	...
31. Ashti do.	...	...	...	...	...	...	...	...	...
32. Páthri do.	...	...	...	...	...	...	...	...	...
33. Revári Canal	...	...	...	...	...	...	...	...	...
34. Upper Mán River Works	...	...	...	...	...	...	...	...	...
35. Yerla River Irrigation Works	...	...	...	...	...	...	...	...	...
	3,069	487	34	3,590	...	3,590	6,680	68	6,748
Carried over ..	21,90,601	4,28,699	—1,43,026 (a)10,462	24,86,736	5,172	24,81,564	5,987	60,018	66,005

(a) Suspense Account.

I-B.

and Gujarát for and to end of 1916-1917.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
8,34,967	52,92,163	10,86,837	1,70,094 (a)—154	65,48,945	5,288	65,43,657	58,644	1,52,157	2,10,801	67,54,458
17,379	14,76,523	3,08,506	58,165	18,43,194	2,132	18,41,062	17,207	43,830	61,127	19,02,189
1,72,646	80,16,029	12,80,959	2,23,224 (a)2,856	95,23,068	2,026	95,21,042	3,08,523	1,79,332	4,87,855	1,00,08,897
...	48,23,666	11,58,484	1,22,968	61,05,118	8,382	60,96,736	1,84,874	1,79,461	3,64,335	64,61,071
...	15,98,308	3,45,781	62,937	20,07,026	1,473	20,05,553	36,924	53,539	90,463	20,96,016
10,24,992	2,12,06,694	41,80,567	6,37,388 (a) 2,702	2,60,27,351	19,301	2,60,08,050	6,06,262	6,08,319	12,14,581	2,72,22,631
...	2,42,869	60,546	1,473	3,04,888	2,848	3,02,040	875	9,013	9,888	3,11,928
147	3,98,060	89,539	5,026	4,92,625	1,589	4,91,036	5,741	12,536	18,277	5,09,313
14,85,390	88,91,680	12,78,545	5,58,834 (a)17,660	1,07,46,719	7,307	1,07,39,412	57,637	1,78,996	2,36,633	1,09,76,045
14,85,537	95,32,609	14,28,630	5,65,333 (a)17,660	1,15,44,232	11,744	1,15,32,488	64,253	2,00,545	2,64,798	1,17,97,286
25,10,529	3,07,39,303	56,09,197	12,02,721 (a)20,362	3,75,71,583	31,045	3,75,40,538	6,70,515	8,08,864	14,79,379	3,90,19,917
...	10,05,076	2,24,187	13,189	12,42,452	1,469	12,40,983	36,598	38,392	74,990	13,15,973
...	3,67,303	74,888	3,228	4,45,419	37	4,45,382	8,694	14,545	23,239	4,68,621
...	7,60,525	1,88,801	22,555	9,71,881	140	9,71,741	31,133	31,317	62,450	10,34,191
...	2,64,529	68,641	19,477	3,52,647	201	3,52,446	5,824	13,621	19,445	3,71,891
35,074	63,60,804	11,43,272	1,28,123 (a)—1,136	76,31,063	12,328	76,18,735	93,528	2,07,974	3,01,502	79,20,237
....	10,07,089	2,12,509	9,713	12,29,311	1,194	12,28,117	69,948	42,321	1,12,269	13,40,386
1,966	7,35,122	1,55,270	2,568	8,92,960	...	8,92,960	21,822	29,660	51,482	9,44,442
37,040	1,05,00,448	20,67,568	1,98,853 (a)—1,136	1,27,65,733	15,369	1,27,50,364	2,67,547	3,77,830	6,45,377	1,33,95,741
25,47,569	4,12,39,751	76,76,765	14,01,574 (a)19,226	5,03,37,316	46,414	5,02,90,902	9,38,062	11,86,694	21,24,756	5,24,15,658
2,634	2,10,185	27,707	1,811	2,39,703	743	2,38,960	46,225	3,880	50,105	2,89,065
...	2,22,942	14,168	924	2,38,034	2	2,38,032	40,620	1,983	42,603	2,80,635
...	2,02,183	30,269	1,974	2,34,426	247	2,34,179	16,793	4,238	21,031	2,55,210
...	1,34,805	22,199	1,448	1,58,452	...	1,58,452	22,470	3,107	25,577	1,84,029
7,704	88,822	17,325	1,209	1,07,356	...	1,07,356	6,680	2,425	9,105	1,16,461
...	33,437	11,936	2,579	47,952	4	47,948	23,052	2,382	25,434	73,382
...	1,01,259	26,399	1,129	1,28,787	6	1,28,781	5,026	5,149	10,175	1,38,956
...	7,86,229	1,91,841	13,129	9,91,199	21	9,91,178	12,015	37,896	49,911	10,41,089
...	1,62,423	42,832	2,823	2,08,078	71	2,08,007	972	6,016	6,988	2,14,995
...	2,34,163	85,770	4,528	3,24,461	144	3,24,317	6,943	16,290	23,233	3,47,550
...	2,73,338	70,183	9,354	3,53,375	690	3,52,685	13,023	13,999	27,022	3,79,707
...	31,433	8,495	884	40,812	...	40,812	3,079	1,699	4,778	45,590
...	1,71,148	38,190	2,861	2,12,199	...	2,12,199	5,137	7,232	12,369	2,24,568
...	1,57,001	53,493	2,621	2,13,115	...	2,13,115	4,067	10,240	14,307	2,27,422
...	30,044	7,661	218	37,923	...	37,923	...	1,266	1,266	32,189
...	6,09,236	1,45,084	8,122	7,62,442	5,392	7,57,050	52,311	26,730	79,041	8,39,091
...	5,21,783	1,00,435	7,403	6,29,621	1,796	6,27,825	960	14,061	15,021	6,42,846
...	47,057	9,693	21	56,771	...	56,771	1,259	1,781	3,040	59,811
...	3,14,286	95,008	6,782	4,16,076	241	4,15,835	5,880	17,571	23,451	4,39,286
...	5,89,656	1,24,186	8,065	7,21,907	2,365	7,19,542	22,684	22,644	45,328	7,64,870
10,338	49,21,930	11,22,874	77,985	61,22,689	11,722	61,00,967	2,89,196	2,00,589	4,89,785	66,00,752
25,47,569	4,12,39,751	76,76,765	14,01,574 (a) 19,226	5,03,37,316	46,414	5,02,90,902	9,38,062	11,86,694	21,24,756	5,24,15,658

STATEMENT

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	21,90,601	4,28,699	—1,43,023 (a)10,462	24,86,736	5,172	24,81,564	5,987	60,018	66,005
	3,069	487	34	3,590	...	3,590	6,680	68	6,748
43.—MINOR WORKS AND NAVIGATION—*concluded.*									
In Operation—concluded.									
36. Chikhli Canal	...	...	...	...	...	...	...	...	...
37. Maini Tank	...	...	...	...	...	...	...	...	...
38. Muchkundi do.	...	...	...	...	...	...	...	...	...
39. Gadikeri do.	...	...	...	...	...	...	...	...	...
40. Gokák Canal, 1st Section, and Storage Works	...	...	...	...	...	...	...	...	...
41. Dámbal Tank	...	...	...	...	...	...	...	...	...
42. Medleri do.	...	...	...	...	...	...	...	...	...
43. Madag do.	...	...	...	...	...	...	...	...	...
44. Asundi do.	...	...	...	...	...	...	...	...	...
45. Mávinkop do.	...	...	...	...	...	...	...	...	...
46. Dharma Canal	2,036	438	30	2,504	...	2,504	...	61	61
Total ...	5,105	925	64	6,094	...	6,094	6,680	129	6,809
Under Construction.									
47. Victoria Tank	36	8	1	45	147	—102	...	1	1
48. Suki River	...	...	...	...	...	...	...	...	...
Total ...	36	8	1	45	147	—102	...	1	1
In Abeyance.									
49. Gokák Canal, 2nd Section	...	...	...	...	...	...	...	...	...
Total, Minor Works ...	5,141	933	65	6,139	147	5,992	6,680	130	6,810
Grand Total ...	21,95,742	4,29,632	—1,42,961 (a)10,462	24,92,875	5,319	24,87,556	12,667	60,148	72,815

I-B—*concluded.*

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishments.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
25,47,569	4,12,39,751	76,76,765	14,01,574 (a) 19,226	5,03,37,316	46,414	5,02,90,902	9,38,062	11,86,694	21,24,756	5,24,15,658
10,338	49,21,930	11,22,874	77,985	61,22,689	11,722	61,00,967	2,89,196	2,00,589	4,89,785	66,00,752
...	39,984	13,611	208	53,803	...	53,803	917	2,722	3,639	57,442
...	3,43,053	1,16,100	3,512	4,62,665	540	4,62,125	3,875	21,650	25,525	4,87,650
...	1,11,830	26,360	2,294	1,40,484	267	1,40,217	14,386	4,104	18,490	1,58,707
...	13,105	3,118	140	16,363	...	16,363	13	542	555	16,918
...	11,00,148	1,81,106	21,236	13,02,490	740	13,01,750	53,279	26,893	80,172	(b) 13,81,922
...	49,262	10,769	878	60,909	62	60,847	1,034	2,099	3,133	63,980
...	61,881	15,324	1,155	78,360	6	78,354	243	2,795	3,038	81,392
...	1,26,596	31,841	2,825	1,61,262	14	1,61,248	...	6,350	6,350	1,67,598
...	48,805	10,881	1,055	60,741	...	60,741	12,536	1,718	14,254	74,995
...	23,738	6,232	353	30,323	138	30,185	2,101	1,218	3,319	33,504
2,565	69,532	15,010	994	85,536	...	85,536	2	2,101	2,103	87,639
12,903	69,09,864	15,53,226	1,12,535	85,75,625	13,489	85,62,136	3,77,582	2,72,781	6,50,363	92,12,499
—101	45,396	9,473	544	55,413	848	54,565	2,463	1,327	3,790	58,355
...	12,212	2,749	178	15,139	...	15,139	...	385	385	15,524
—101	57,608	12,222	722	70,552	848	69,704	2,463	1,712	4,175	73,879
...	92,036	70,024	14,246	1,76,306	...	1,76,306	740	13,238	13,978	1,90,284
12,802	70,59,508	16,35,472	1,27,503	88,22,483	14,337	88,08,146	3,80,785	2,87,731	6,68,516	94,76,662
25,60,371	4,82,99,259	93,12,237	15,29,077 (a) 19,226	5,91,59,799	60,751	5,90,99,048	13,18,847	14,74,425	27,93,272	6,18,92,320

(a) Suspense Account. (b) Includes Rs. 4,12,666 charged to 35—Protective Irrigation Works.

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in

(Realizations under main heads of

Name of Work.	Revenue (Actual Receipts).									Revenue	
	Irrigation.			Navigation.	Plantations.	Water-power.	Miscellaneous.	Total.	Refunds of Revenue.	Gross Revenue, less refunds.	Estab
	Water-rate directly paid.	Share of Land Revenue.	Total.								Direction.	Executive.
1	2	3	4	5	6	7	8	9	10	11	12	13
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—*Protective Irrigation Works.*												
1. Pravara River Canal ...	15,078	...	15,078	...	338	...	411	15,827	402	15,425	275	3,138
2. Chankápur Tank ...	12,367	...	12,367	...	...	...	260	12,627	...	12,627	262	4,459
3. Godávari Canal ...	2,07,914	...	2,07,914	...	923	...	8,958	2,17,795	−10,316	2,28,111	1,839	19,974
4. Nira Canal and Shetphal Tank ...	4,87,341	...	4,87,341	...	1,250	...	6,423	4,95,014	338	4,94,676	1,986	38,287
5. Mhaswad Tank ...	39,580	...	39,580	...	2,059	...	1,238	42,877	21	42,856	219	6,177
Total ...	7,62,280	...	7,62,280	...	4,570	...	17,290	7,84,140	−9,555	7,93,695	4,581	72,035
49.—IRRIGATION WORKS.												
Productive Works.												
9. Háthmati and Khári Cut Canals ...	28,419	...	28,419	...	246	...	5,874	34,539	296	34,243	427	3,378
10. Lower Pánjhra River Works	12,589	3,245	15,784	...	569	...	1,594	17,947	...	17,947	75	679
11. Kádva River Works ...	28,179	594	28,773	...	27	...	2,718	31,518	...	31,518	232	4,099
12. Pravara River Works—Lákh Canal ...	989	225	1,214	...	107	...	587	1,908	...	1,908	39	553
13. Mutha Canals and Matoba Tank ...	2,29,517	...	2,29,517	9	2,652	...	1,95,215	4,27,393	60	4,27,333	2,148	35,515
14. Ekruk Tank ...	21,365	...	21,365	...	900	...	51,315	73,580	12	73,568	181	2,514
15. Krishna Canal ...	86,223	...	86,223	...	...	...	2,899	89,122	1	89,121	144	1,438
Total ...	4,07,231	4,064	4,11,295	9	4,501	...	2,60,202	6,76,007	369	6,75,638	3,246	48,176
Total, Major Works ...	11,69,511	4,064	11,73,575	9	9,071	...	2,77,492	14,60,147	−9,186	14,69,333	7,827	1,20,211
43.—MINOR WORKS AND NAVIGATION.												
16. Wangroli Tank ...	1,398	1,767	3,165	...	...	...	1,391	4,556	...	4,556	89	705
17. Tranza-Nagramme ...	...	60	60	...	...	...	487	547	5	542	33	260
18. Savli Tank ...	2,236	...	2,236	...	...	...	548	2,784	...	2,784	90	712
19. Sahiat do. ...	464	...	464	...	...	...	723	1,187	...	1,187	85	674
20. Futelao do. ...	...	...	...	...	...	...	153	153	...	153	21	164
21. Hartála do. ...	331	...	331	...	47	...	313	691	...	691	13	105
22. Mahasva do. ...	1,568	...	1,568	...	55	...	1,476	3,099	...	3,099	33	312
23. Jámda Canals ...	8,556	...	8,556	...	2,803	...	527	11,886	6	11,880	187	1,982
24. Parsul Tank ...	6,131	...	6,131	...	...	...	27	6,158	...	6,158	71	1,397
25. Pravara Left Bank Canal	3,745	76	3,821	...	42	...	2,299	6,162	...	6,162	86	846
26. Bhátodi Tank ...	4,120	2,206	6,326	...	26	...	1,872	8,224	...	8,224	26	164
27. Kásurdi do. ...	513	...	513	...	...	...	41	554	...	554	9	103
28. Shirsuphal do. ...	3,974	...	3,974	...	...	...	930	4,904	...	4,904	38	540
29 Bhádalwádi do. ...	4,481	...	4,481	...	70	...	117	4,668	...	4,668	39	558
30. Koregaon do. ...	3,112	...	3,112	...	3	...	47	3,162	...	3,162	12	156
31. Ashti do. ...	15,609	...	15,609	...	74	...	2,431	18,114	24	18,090	60	509
32. Pathri do. ...	5,590	...	5,590	...	21	...	120	5,731	...	5,731	26	303
33. Revári Canal ...	6,731	...	6,731	...	...	...	512	7,243	...	7,243	22	234
34. Upper Mán River Works...	4,337	...	4,337	...	...	...	1,047	5,384	...	5,384	40	390
35. Yerla River Irrigation Works ...	17,977	...	17,977	...	...	...	487	18,464	...	18,464	85	759
36. Chikhli Canal ...	2,635	...	2,635	...	...	...	1,293	3,928	14	3,914	8	73
37. Maini Tank ...	6,740	...	6,740	...	...	...	1,536	8,276	22	8,254	42	473
38. Muchkundi do, ...	...	...	...	...	...	...	171	171	...	171	1	12
39. Gadikeri do. ...	...	2,061	2,061	...	...	...	...	2,061	...	2,061	...	...
40. Gokák Canal, First Section, and Storage Works ...	25,983	...	25,983	...	...	14,313	2,864	43,160	...	43,160	156	2,108
41. Dámbal Tank ...	368	916	1,284	...	...	...	647	1,931	...	1,931	14	583
42. Medleri do. ...	445	...	445	...	...	...	326	771	...	771	10	452
43. Madag do. ...	1,559	...	1,559	...	52	...	141	1,752	...	1,752	23	856
44. Asundi do. ...	608	687	1,295	...	...	...	547	1,842	...	1,842	12	538
45. Mávinkop do. ...	...	2,244	2,244	...	...	...	...	2,244	...	2,244	28	797
46. Dharma Canal ...	2,347	−4,961	−2,614	...	...	...	84	−2,530	...	−2,530	56	1,418
Total, Minor Works and Navigation	1,31,558	5,056	1,36,614	...	3,193	14,313	23,157	1,77,277	71	1,77,206	1,415	18,185
GRAND TOTAL ...	13,01,069	9,120	13,10,189	9	12,264	14,313	3,00,649	16,37,424	−9,115	16,46,539	9,242	1,38,394

Deccan and Gujarát for the year ending 31st March 1916-1917.

Revenue and Working Expenses.)

Working Expenses.														
Management.			Maintenance and Repairs.											
lishment.		Total Revenue Management.	Establishment.				Works.	Repairs.	Sundries.	Tools and Plant.	Plantations.	Total Cost of Maintenance.	Indirect Charges.	Grand Total, Working Expenses.	Net Revenue.
Navigation.	Civil Officers.		Direction.	Executive.	Medical.	Total.									
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	752	4,165	222	2,538	...	2,760	...	11,347	...	166	241	14,514	864	19,543	—4,118
...	618	5,339	117	1,988	...	2,105	329	7,160	...	126	1,211	10,931	956	17,326	—4,596
...	10,599	32,412	1,620	17,597	...	19,217	3,643	68,803	...	1,153	9,282	1,02,098	5,744	1,40,254	87,857
...	24,363	64,636	750	14,449	...	15,199	13,581	48,329	...	73	5,081	82,263	7,766	1,54,665	3,40,011
...	2,033	8,429	51	1,449	...	1,500	277	5,507	...	90	214	7,588	1,105	17,122	25,734
...	38,365	1,14,981	2,760	38,021	...	40,781	17,830	1,41,146	...	1,608	16,029	2,17,394	16,435	3,48,810	4,44,885
...	1,421	5,226	703	5,572	...	6,275	2,466	22,360	...	377	275	31,753	1,411	38,390	—4,147
...	1,368	2,122	93	842	...	935	1,551	2,150	...	56	104	4,796	269	7,187	10,370
...	1,410	5,741	98	1,735	...	1,833	20	6,947	...	110	510	9,420	863	16,024	15,494
...	73	665	22	317	...	339	...	1,356	...	20	...	1,715	130	2,510	—602
...	11,328	48,991	996	16,472	...	17,468	3,493	92,064	...	5,520	539	1,19,084	7,718	1,75,793	2,51,540
...	1,038	3,763	108	1,494	...	1,602	280	5,489	...	96	637	8,104	602	12,469	61,099
...	5,472	7,054	147	1,472	...	1,619	...	6,017	404	97	460	8,597	448	16,099	73,022
...	22,140	73,562	2,167	27,904	...	30,071	7,810	1,36,383	404	6,276	2,525	1,83,469	11,441	2,68,472	4,07,166
...	60,505	1,88,543	4,927	65,925	...	70,852	25,640	2,77,529	404	7,884	18,554	4,00,863	27,876	6,17,282	8,52,051
...	297	1,091	147	1,163	...	1,310	1,374	3,766	...	79	100	6,629	295	8,015	—3,459
...	6	299	54	430	...	484	628	1,281	...	29	25	2,447	109	2,855	—2,313
...	112	914	151	1,190	...	1,341	1,076	4,240	...	80	50	6,787	300	8,001	—5,217
...	23	782	137	1,097	...	1,234	1,618	3,266	...	75	50	6,243	279	7,304	—6,117
...	...	185	34	269	...	303	...	1,216	...	18	...	1,537	68	1,790	—1,637
...	29	147	22	170	...	192	631	147	...	11	...	981	43	1,171	—430
...	79	424	36	347	...	383	594	739	...	23	200	1,939	102	2,465	634
...	428	2,597	173	1,825	...	1,998	5,133	3,038	...	120	395	10,684	682	13,963	—2,063
...	307	1,775	27	521	...	548	1,722	574	...	33	...	2,877	282	4,934	1,224
...	194	1,126	89	884	...	973	...	3,121	...	58	1,312	5,464	267	6,857	—695
...	412	602	79	504	...	583	754	1,513	...	35	63	2,948	108	3,658	4,566
...	26	138	7	84	...	91	...	362	...	6	...	459	28	625	—71
...	199	777	22	310	...	332	...	1,326	...	20	...	1,678	127	2,582	2,322
...	224	821	22	315	...	337	...	1,313	...	19	36	1,705	131	2,657	2,011
...	156	324	8	101	...	109	7	414	...	8	21	559	39	922	2,240
...	999	1,568	85	723	...	808	941	2,100	...	49	190	4,088	193	5,849	12,241
...	279	608	20	238	...	258	30	919	...	14	91	1,312	82	2,002	3,729
...	337	593	21	216	...	237	...	905	...	14	44	1,200	69	1,862	5,381
...	217	647	42	412	...	454	...	1,651	...	27	164	2,296	124	3,067	2,317
...	899	1,743	108	962	...	1,070	...	3,738	...	64	543	5,415	268	7,426	11,038
...	132	213	11	96	...	107	...	408	...	6	22	543	26	782	3,132
...	337	852	35	391	...	426	...	1,487	...	26	218	2,157	132	3,141	5,113
...	...	13	3	22	...	25	...	99	...	1	...	125	5	143	28
...	206	206	4	18	...	22	...	106	...	2	...	130	3	339	1,722
...	1,314	3,578	96	1,300	...	1,396	31	5,585	...	84	...	7,096	512	11,186	31,974
...	110	707	2	89	...	91	...	374	...	5	...	470	96	1,273	658
...	22	484	1	59	...	60	...	242	...	4	...	306	73	863	—91
...	78	957	4	149	...	153	...	511	...	9	100	773	144	1,874	—122
...	99	649	2	76	...	78	...	312	...	5	...	395	88	1,132	710
...	224	1,049	6	186	...	192	...	775	...	12	...	979	142	2,170	74
...	—375	1,099	—2	—48	...	—50	...	—108	...	18	...	—140	199	1,158	—3,688
...	7,370	26,968	1,446	14,099	...	15,545	14,539	45,420	...	954	3,624	80,082	5,016	1,12,066	65,140
...	67,875	2,15,511	6,373	80,024	...	86,397	40,179	3,22,949	404	8,838	22,178	4,80,945	32,892	7,29,348	9,17,191

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in the

Number of Works	Name of Works.	Mileage in operation.		General Financial Results to end					
		Main canals and branches.	Distributaries.	Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital outlay (direct and indirect).	Accumulated arrears of interest.	Accumulated surplus revenues.
1	2	3	4	5	6a	6b	7	8	9
	MAJOR WORKS.	Miles.	Miles.	Rs.	Date.	Date.	Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.								
	In Operation.								
1	Pravara Canal	33·00	13·00	76,10,826	Not completed.	1909-10 ...	67,54,458	8,07,867	...
2	Chankápur Tank	13·11	9·93	19,53,072	1909-10 ...	1909-10 ...	19,02,189	6,74,502	...
3	Godávari Canal	118·50	57·46	98,36,251	1915-16 ...	1911-12 ...	1,00,08,897	17,46,064	...
4	Nira Canal including Shetphal Tank ...	106·79	139·00	64,61,071	1898-99 ...	1885-86 ...	64,61,071	23,21,470	...
5	Mhaswad Tank	66·25	41·00	20,96,016	1900-01 ...	1884-85 ...	20,96,016	22,93,686	...
6	Gokák Canal, 1st Section	.....	.....	4,12,666	1886-87 ...	1884-85 ...	4,12,666	5,32,145	...
	Total ...	397·65	260·39	2,83,69,902	.....	.....	2,76,35,207	83,75,734	...
	Under Construction.								
7	Máládevi Tank	.....	.....	3,14,574	Not completed.	Under construction.	3,11,923	2,00,849	...
8	Budhihal Tank	.....	.....	14,54,611			5,09,313	2,00,496	...
9	Nira Right Bank Canal	.....	.....	2,57,72,499			1,09,76,045	8,55,960	...
	Total ...	.....	.....	2,75,41,684	.....	.....	1,17,97,286	12,57,305	...
	Total, Protective Irrigation Works ...	337·65	260·39	5,59,11,586	.....	.....	3,94,32,583	96,33,039	...
	49.—Irrigation Productive Works.								
10	Háthmati Canal, including Khári Cut Canal.	60·00	57·00	13,15,973	1883-84 ...	1873-74 ...	13,15,973	8,44,747	...
11	Lower Pánjhra River Works	.....	45·00	4,68,621	1894-95 ...	1851-52 ...	4,68,621	4,81,653	...
12	Kádwa River Works	24·12	14·35	10,34,191	1907-08 ...	1868-69 ...	10,34,191	10,11,229	...
13	Pravara River Works—Lákh Canal... ...	23·00	9·37	3,71,891	1893-94 ...	1869-70 ...	3,71,891	9,09,133	...
14	Mutha Canal, including Mátoba Tank ...	88·00	87·00	78,60,689	1896-97 ...	1874-75 ...	79,20,237	39,00,140	...
15	Ekrúk Tank	48·00	1·68	13,40,386	1890-91 ...	1872-73 ...	13,40,386	16,16,838	...
16	Krishna Canal	63·87	.....	9,46,769	1891-92 ...	1869-70 ...	9,44,442	6,04,750	...
	Total, Productive Works ...	396·99	214·41	1,33,47,520	.....	.....	1,33,95,741	93,68,490	...
	Total, Major Works ...	644·64	474·80	6,92,59,106	.....	.....	5,28,28,324	1,90,01,529	...
	43.—Minor Works and Navigation—Irrigation Works.								
17	Wangroli Tank	13·79	.....	2,90,346	1903-09 ...	1904-05 ...	2,89,065	1,31,251	...
18	Tranza Nagrama Tanks	7·60	.....	2,80,635	1909-10 ...	1904-05 ...	2,80,635	1,32,913	...
19	Sávli Tank	8·35	1·32	2,55,210	1909-10 ...	1908-09 ...	2,55,210	1,33,646	...
20	Sahiat do.	9·25	0·85	1,84,029	1911-12 ...	1910-11 ...	1,84,029	1,13,679	...
21	Futelao do.	3·99	.....	1,16,461	1916-17 ...	1915-16 ...	1,16,461	8,656	...
22	Hartála do.	.....	5·50	73,382	1886-87 ...	1872-73 ...	73,382	62,474	...
23	Mhaswa do.	.....	7·00	1,38,956	1886-87 ...	1877-78 ...	1,38,956	2,09,893	...
24	Jámda Canal	39·00	75·00	10,41,089	1901-02 ...	1870-71 ...	10,41,089	21,18,755	...
25	Parsuni Tank	.....	4·75	2,18,946	1894-95 ...	1889-90 ...	2,14,996	2,10,247	...
26	Pravara Left Bank Canal	19·00	21·00	3,47,550	1892-93 ...	1874-75 ...	3,47,550	5,64,689	...
27	Bhátodi Tank	4·50	5·50	3,79,707	1891-92 ...	1871-72 ...	3,79,707	6,15,880	...
28	Kásurdi do.	.....	1·75	45,590	1877-78 ...	1869-70 ...	45,590	94,688	...
29	Shirsuphal do.	.....	12·50	2,24,568	1893-94 ...	1879-80 ...	2,24,568	2,96,008	...
30	Bhádalwádi do.	.....	9·75	2,27,422	1890-91 ...	1881-82 ...	2,27,422	2,72,782	...
31	Koregaon do.	3·75	.....	39,189	1891-92 ...	1868-69 ...	39,189	63,256	...
32	Ashti do.	27·50	3·15	8,36,091	1892-93 ...	1881-82 ...	8,36,091	10,36,719	...
33	Páthri do.	4·66	3·33	6,42,846	1908-09 ...	1906-07 ...	6,42,846	2,75,909	...
34	Rewári Canal	10·25	.....	59,811	1892-93 ...	1865-66 ...	59,811	29,652	...
35	Upper Mán River Works	17·50	6·50	4,39,286	1891-92 ...	1872-73 ...	4,39,286	6,47,744	...
36	Yerla River Irrigation Works	33·33	4·00	7,71,814	1894-95 ...	1869-70 ...	7,64,870	9,47,411	...
37	Chikhli Canal	6·50	.....	57,442	1882-83 ...	1870-71 ...	57,442	93,743	...
38	Maini Tank	9·25	7·58	4,87,650	1891-92 ...	1875-76 ...	4,87,650	5,99,269	...
39	Muchkundi Tank	5·50	2·25	1,58,707	1890-91 ...	1884-85 ...	1,58,707	1,82,067	...
40	Gadikeri Tank	.....	.....	16,918	1881-82 ...	1882-83 ...	16,918	.....	42,807
41	Gokák Canal, First Section, and Storage Works	16·13	35·43	9,69,256	1896-97 ...	1884-85 ...	9,69,256	11,867	...
42	Dámbal Tank	.....	3·27	63,980	1885-86 ...	1880-81 ...	63,980	65,403	...
43	Medleri do.	.....	4·87	81,392	1887-88 ...	1884-85 ...	81,392	1,21,831	...
44	Mádag do.	9·00	.....	1,67,598	1888-89 ...	1866-67 ...	1,67,598	3,10,945	...
45	Asundi do.	.....	4·86	74,995	1889-90 ...	1884-85 ...	74,995	94,531	...
46	Mávinkop do.	.....	2·79	33,504	1881-82 ...	1882-83 ...	33,504	3,304	...
47	Dharma Canal	19·00	13·00	98,334	Not completed.	1913-14 ...	87,939	34,448	...
	Total ...	267·85	235·95	88,22,704	.....	.....	87,99,833	94,82,125	42,807
	Under Construction.								
48	Victoria Tank	.....	.....	4,61,003	Not completed.	Under construction.	58,355	22,343	...
49	Suki River	.....	.....	.....			15,524	2,855	...
	Total ...	.....	.....	4,61,003	.....	.....	73,879	25,198	...
	In Abeyance.								
50	Gokák Canal, Second Section	.....	.....	1,91,995	.....	.....	1,90,284	2,66,390	...
	Total, Minor Works	267·85	235·95	94,75,702	.....	.....	90,63,996	97,73,713	42,807
	Grand Total ...	912·49	710·75	7,87,34,808	.....	.....	6,18,92,320	2,87,75,242	42,807

(a) Excludes area of wheat cultivated on free supply of canal water from the following canals :—

Protective Irrigation Works :—

	Acres.
Nira Canal and Shetpal Tank ...	1,431
Pravara Canal	244
Chankápur Tank	880
Godavari Canals	6,352
Mhaswad Tank	624
Total ...	9,531

Productive Works :—

	Acres.
Kadwa River Works	562
Lakh Canal	125
Mutha Canals	540
Total ...	1,227

Minor Works :—

	Acres.
Parsul Tank	127
Kasurdi Tank	23
Shirsuphal Tank	100
Bhadalwadi Tank	45
Total ...	295

II-C. ' ·

Deccan and Gujarát for, and up to the end of, 1916-1917.

of 1916-1917.	Financial Results of the year 1916-1917.									
Total sum-at-charge (column 7+column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3·2964 per cent. on direct Capital outlay to end of previous year, *plus* half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
1	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
75,62,325	15,425	19,543	—4,118	.....	.....	2,02,379	...	2,06,497	2,034	126·70
25,76,691	12,627	17,226	—4,599	.....	.....	60,409	...	65,008	957	136·42
1,17,54,961	2,28,111	1,40,254	87,857	0·88	0·75	3,11,124	...	2,23,267	13,479	61·48
87,82,541	4,94,676	1,54,665	3,40,011	5·26	3·87	2,00,973	1,39,038	.....	32,797	31·27
43,89,702	42,856	17,122	25,734	1·23	0·59	66,111	...	40,377	4,964	37·95
9,44,811	.....	.....	.....	.....	.....	13,217	...	13,217	.....	.....
3,60,11,031	7,93,695	3,48,810	4,44,885	1·61	1·24	8,54,213	...	4,09,328	(a) 54,231	43·95
5,12,777	.....	.....	.....	.....	.....	9,956	...	9,956	.....	.....
7,09,809	.....	.....	.....	.....	.....	16,184	...	16,184	.....	.....
1,18,32,605	.....	.....	.....	.....	.....	3,30,039	...	3,30,039	.....	.....
1,30,54,591	.....	.....	.....	.....	.....	3,56,179	3,56,179		.....	.....
4,90,65,622	7,93,695	3,48,810	4,44,885	1·13	0·91	12,10,392	7,65,507		(a) 54,231	43·95
21,60,720	34,243	38,390	—4,147	.....	.....	40,908	...	45,055	6,344	112·11
9,50,274	17,947	7,187	10,760	2·30	1·13	14,681	...	3,921	3,586	40·05
20,45,420	31,518	16,024	15,494	1·50	0·76	32,032	...	16,538	2,348	50·84
12,81,024	1,808	2,510	—702	.....	.....	11,618	...	12,220	171	131·55
1,18,20,377	4,27,333	1,75,793	2,51,540	3·18	2·13	2,50,595	955	.....	9,861	41·14
29,57,224	73,563	12,469	61,099	4·56	2·07	40,484	20,615	.....	1,429	16·95
15,49,192	89,121	16,099	73,022	7·73	4·71	29,404	43,618	.....	3,399	18·06
2,27,64,231	6,75,638	2,68,472	4,07,166	3·04	1·78	4,19,712	12,543		(a) 27,138	39·74
7,18,29,853	14,69,333	6,17,282	8,52,051	1·61	1·19	16,30,104	7,78,457		81,369	42·01
4,20,316	4,556	8,015	—3,459	.....	.....	7,831	...	11,293	1,309	175·92
4,13,548	542	2,855	—2,313	.....	.....	7,847	...	10,160	49	526·75
3,88,856	2,784	8,001	—5,217	.....	.....	7,720	...	12,937	971	287·39
2,96,108	1,187	7,304	—6,117	.....	.....	5,223	...	11,340	.....	615·33
1,25,117	153	1,790	—1,637	.....	.....	3,522	...	5,159	89	1,169·93
1,35,856	691	1,171	—480	.....	.....	1,580	...	2,060	39	169·46
3,48,854	3,089	2,465	624	0·46	0·18	4,245	...	3,611	343	79·54
31,59,844	11,880	13,963	—2,083	.....	.....	32,673	...	34,756	1,274	117·53
4,25,242	6,158	4,934	1,224	0·57	0·29	6,857	...	5,633	604	80·12
9,12,239	6,162	6,857	—695	.....	.....	10,691	...	11,386	.....	111·28
9,05,597	8,224	3,658	4,566	1·20	0·46	11,626	...	7,060	802	44·48
1,40,278	554	625	—71	.....	.....	1,346	...	1,417	57	112·82
5,20,576	4,904	2,582	2,322	1·03	0·45	6,935	...	4,613	652	52·65
5,00,204	4,668	2,657	2,011	0·88	0·40	7,025	...	5,014	585	56·92
1,02,445	3,162	922	2,240	5·72	2·19	1,250	990	.....	431	29·16
18,72,810	18,090	5,849	12,241	1·46	0·65	24,956	...	12,715	2,504	32·33
9,18,755	5,731	2,002	3,729	0·58	0·41	20,606	...	16,967	885	34·93
89,463	7,243	1,862	5,381	8·99	6·01	1,871	3,510	.....	871	25·71
10,87,030	5,384	3,067	2,317	0·53	0·21	13,708	...	11,391	698	56·99
17,12,281	18,464	7,426	11,038	1·44	0·64	23,719	...	12,681	2,477	40·22
1,51,185	3,914	782	3,132	5·45	2·07	1,773	1,359	.....	193	19·98
10,86,919	6,254	3,141	5,113	1·05	0·47	15,234	...	10,121	1,498	38·05
3,40,774	171	143	28	0·02	0·01	4,622	...	4,594	.....	83·62
16,918	2,061	339	1,722	10·18	10·18	539	1,183	.....	377	16·45
9,81,123	43,160	11,186	31,974	3·30	3·25	29,695	2,279	.....	4,236	25·92
1,29,383	1,931	1,273	658	1·03	0·51	2,006	...	1,348	212	65·92
2,03,223	771	863	—92	.....	.....	2,583	...	2,675	51	111·93
4,78,513	1,752	1,874	—122	.....	.....	5,315	...	5,437	570	106·96
1,69,576	1,842	1,132	710	0·95	0·42	2,002	...	1,292	342	61·48
36,808	2,244	2,170	74	0·22	0·20	995	...	921	587	96·70
1,22,087	—2,530	1,158	—3,688	.....	.....	2,778	...	6,466	8,369	.....
1,82,81,958	1,77,206	1,12,066	65,140	0·74	0·36	2,68,926	...	2,03,786	31,078	63·24
80,698	.....	.....	.....	.....	.....	1,800	...	1,800	.....	.....
18,379	.....	.....	.....	.....	.....	499	...	499	.....	.....
99,077	.....	.....	.....	.....	.....	2,299	...	2,299	.....	.....
4,56,674	.....	.....	.....	.....	.....	5,812	...	5,812	.....	.....
1,88,37,709	1,77,206	1,12,066	65,140	0·72	0·35	2,77,037	(a) 2,11,897		31,078	63·24
9,06,67,562	16,46,539	7,29,348	9,17,191	1·48	1·01	19,07,141	(a) 9,90,354		1,12,447	44·30

E. M. COOK,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1916-1917 in Deccan and Gujarát.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (b)	Demands of the year (a).				Total including Balance at commencement of year.	*Deduct*—Remissions not including Cash Refunds.	Net Total.	*Deduct*—Amount unrealized at close of year.	Actual Realizations of the year.
			Rabi, 1915-1916.	Kharif, 1916-1917.	Miscellaneous Receipts.	Total.					
	1	2	3	4	5	6	7	8	9	10	11
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.										
1	Pravara River Canal... ...	—336	8,440	6,579	814	15,833	15,497	.....	15,497	(d)—330	15,827
2	Chankápur Tank	21	8,795	3,596	260	12,651	12,672	.....	12,672	45	12,627
3	Godávari Canal	2,313	76,755	1,44,777	11,498	2,33,030	2,35,343	735	2,34,608	16,813	2,17,795
4	Nira Canal and Shetphal Tank	5,483	55,792	(c)4,27 383	7,672	4,90,847	4,96,330	537	4,95,793	779	4,95,014
5	Mhasvad Tank	—762	27,262	12,616	3,297	43,175	42,413	50	42,363	(d)—514	42,877
	Total, Protective Works ...	6,719	1,77,044	5,94,951	23,541	7,95,536	8,02,255	1,322	8,00,933	16,793	7,84,140
	49.—Irrigation Productive Works.										
9	Háthmati Canal and Khári Cut Canal	1,137	282	32,178	6,120	38,580	39,717	104	39,613	5,074	34,539
10	Lower Panjhra River Works.	173	(c) 4,239	(c) 8,823	2,164	14,726	14,899	.....	14,899	197	14,702
11	Kádwa River Works... ...	2,495	12,012	13,904	2,745	28,661	31,156	.....	31,156	232	30,924
12	Pravara River Works—Lákh Canal	—135	596	392	694	1,682	1,547	.....	1,547	(d)—136	1,683
13	Mutha Canals and Mátoba Tank	21,569	12,037	2,12,658	1,98,691	4,23,386	4,44,955	53	4,44,902	17,509	4,27,393
14	Ekrúk Tank	2,843	5,950	15,578	63,238	84,766	87,609	13	87,596	14,016	73,580
15	Krishna Canal	4,290	25,225	65,313	3,119	93,657	97,947	.....	97,947	8,825	89,122
	Total, Productive Works ...	32,372	60,341	3,48,346	2,76,771	6,85,458	7,17,830	170	7,17,660	45,717	6,71,943
	Total, Major Works ...	39,091	2,37,385	9,43,297	3,00,312	14,80,994	15,20,085	1,492	15,18,593	62,510	14,56,083
	43.—Minor Works and Navigation.										
16	Wangroli Tank	...	...	1,771	1,791	3,562	3,562	.....	3,562	773	2,789
17	Tranza-Nagramma Tank ...	...	...	...	487	487	487	.....	487	...	487
18	Sávli Tank	—1,064	,1096	2,400	548	4,044	2,980	.....	2,980	196	2,784
19	Sahiat do.	464	...	...	723	723	1,187	.....	1,187	...	1,187
20	Futelao do.	...	78	...	153	231	231	.....	231	78	153
21	Hartála do.	1	187	144	359	690	691	.....	691	...	691
22	Mhasva do.	1,042	1,421	178	970	2,569	3,611	481	3,130	31	3,099
23	Jámda Canals	70	2 988	5,504	3,329	11,821	11,891	.....	11,891	5	11,886
24	Parsul Tank	1,647	4,320	164	27	4,511	6,158	.....	6,158	...	6,158
25	Pravara Left Bank Canal ...	—55	3,745	...	2,330	6,075	6,020	.....	6,020	(d)—63	6,086
26	Bhátodi Tank	—686	4,115	116	1,898	6,129	5,443	.....	5,443	(d)—575	6,018
27	Kásurdi do.	...	361	152	41	554	554	.....	554	...	554
28	Shirsuphal do.	...	1,860	2,114	930	4,904	4,904	.....	4,904	...	4,904
29	Bhádalvádi do.	6	2,488	1,987	187	4,662	4,668	.....	4,668	...	4,668
30	Koregaon do.	5	2,626	481	50	3,157	3,162	.....	3,162	...	3,162
31	Ashti do.	—178	11,581	5,689	2,505	19,775	19,597	.....	19,597	1,483	18,114
32	Páthri do.	—1	5,472	191	141	5,804	5,803	.....	5,803	72	5,731
33	Revári do.	...	3,930	2,801	512	7,243	7,243	.....	7,243	...	7,243
34	Upper Mán River Works ...	52	3,476	876	1,047	5,399	5,451	.....	5,451	67	5,384
35	Yerla River Irrigation Works.	—28	15,106	2,871	487	18,464	18,436	.....	18,436	(d)—28	18,464
36	Chikhli Canal	...	873	1,748	1,293	3,914	3,914	.....	3,914	(d)—14	3,928
37	Maini Tank	...	6,464	276	1,536	8,276	8,276	.....	8,276	...	8,276
38	Muchkundi Tank	...	...	...	171	171	171	.....	171	...	171
39	Gadikeri do.	...	...	...	...	...	...	.....	...	...	...
40	Gokák Canal, First Section, and Storage Works ...	610	7,023	18,896	17,177	43,096	43,706	27	43,679	519	43,160
41	Dambal Tank	23	276	334	647	1,257	1,280	.....	1,280	265	1,015
42	Medleri do.	95	56	434	326	816	911	.....	911	140	771
43	Madag do.	1,026	884	1,265	193	2,342	3,368	.....	3,368	1,616	1,752
44	Asundi do.	...	221	391	547	1,159	1,159	.....	1,159	4	1,155
45	Mávinkop do.	...	...	...	...	...	...	.....	...	...	...
46	Dharma Canal	7,703	...	2,201	84	2,285	9,988	.....	9,988	7,557	2,431
	Total, Minor Works ...	10,732	80,647	52,984	40,489	1,74,120	1,84,852	508	1,84,344	12,123	1,72,221
	Grand Total ...	49,823	3,18,032	9,96,281	3,40,801	16,55,114	17,04,937	2,000	17,02,937	74,633	16,28,304

(a) Excluding Irrigation Share of Land Revenue.
(b) Correct balances as now reported by the Revenue Officers in Canal Returns Nos. VI and VII.
(c) Inclusive of assessments shown in Canal Return No. IX.
(d) Excess recovery to be refunded.
(e) Includes Rs. 291 on account of Kharif season 1915-16 shown in Return No. VI for the year 1916-17.

E. M. COOK,
Accountant General, Bombay.

STATEMENT IV-C.

Statement showing the Financial Results of Irrigation Works in Deccan and Gujarát for the year ended 1916-1917, based on the assessment of the year.

Principal Results and Operations for the year ended 31st March 1917.

	Irrigation Works.	Capital outlay (direct and indirect) to end of year.	Revenue assessed during the year.								Working Expenses, direct and indirect.	Net assessed Revenue of the year.	Percentage on Capital outlay to end of year.
			Direct assessed Revenue.						Indirect Revenue (Land Revenue due to operation of Canal).	Grand Total.			
			Occupier's rate.	Owner's rate.	Plantations.	Water-power.	Navigation.	Miscellaneous.	Total.				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	MAJOR WORKS.													
	35.—Protective Irrigation Works.													
1	Pravara River Canal	67,54,458	10,180	...	338	...	...	476	10,994	.....	10,994	19,543	—8,549	(a)
2	Chankápur Tank	10,02,189	8,132	...	...	...	...	260	8,392	.....	8,392	17,226	—8,834	(a)
3	Godávari Canal	1,00,68,897	1,83,682	...	923	...	...	10,575	1,95,180	.....	1,95,180	1,40,254	54,926	0·55
4	Nira Canal including Shetphal Tank.	64,61,071	4,39,237	...	1,250	...	...	6,422	4,46,909	.....	4,46,909	1,54,665	2,92,244	4·52
5	Mhasvad Tank	20,96,016	30,437	...	2,059	...	...	1,238	33,734	.....	33,734	17,122	16,612	0·79
	Total, Protective Works ...	2,72,22,631	6,71,668	...	4,570	...	...	18,971	6,95,209	.....	6,95,209	3,48,810	3,46,399	1·27
	49.—Irrigation Productive Works.													
9	Háthmati Canal and Khári Cut Canal	13,15,973	33,274	...	246	...	...	5,874	39,394	.....	39,394	38,390	1,004	0·08
10	Lower Pánjhra River Works ...	4,68,621	11,087	...	539	...	...	1,595	13,251	3,245	16,496	7,187	9,309	1·99
11	Kádwa River Works	10,34,191	21,707	...	27	...	...	,718	24,452	594	25,046	16,024	9,022	0·87
12	Pravara River Works—Lákh Canal .	3,71,891	633	...	107	...	...	587	1,327	225	1,552	2,510	—958	(a)
13	Mutha Canals and Mátoba Tank ...	79,20,237	2,17,483	...	2,652	...	9	1,96,030	4,16,124	.....	4,16,124	1,75,793	2,40,331	3·03
14	Ekrúk Tank	13,40,386	18,757	...	900	...	...	62,338	81,995	.....	81,995	12,469	69,526	5·19
15	Krishna Canal	9,44,442	68,456	...	...	...	...	3,119	1,675	.....	71,575	16,099	55,476	5·87
	Total, Productive Works ...	1,33,95,741	3,71,347	...	4,501	...	9	2,72,261	6,48,118	4,064	6,52,182	2,68,472	3,83,710	2·86
	Total, Major Works ...	4,06,18,372	10,43,015	...	9,071	...	9	2,91,232	13,43,327	4,064	13,47,391	6,17,282	7,30,109	1·80
	43.—Minor Works and Navigation.													
16	Wangroli Tank	2,89,065	2,750	...	...	...	...	1,791	4,541	1,767	6,308	8,015	—1,707	(a)
17	Tranza-Nagramma Tank	2,80,035	...	...	...	...	...	487	487	60	547	2,855	—2,308	(a)
18	Sávli Tank	2,55,210	3,127	...	...	...	...	548	3,675	.....	3,675	8,001	—4,326	(a)
19	Sahiat do.	1,84,029	...	...	...	...	...	723	723	.....	723	7,304	—6,581	(a)
20	Futelao do.	1,16,461	238	...	...	...	...	153	421	.....	421	1,790	—1,369	(a)
21	Hartála do.	73,382	194	...	47	...	...	312	553	.....	553	1,171	—618	(a)
22	Mhasva do.	1,38,956	664	...	55	...	...	915	1,634	.....	1,634	2,465	—831	(a)
23	Jámda Canals	10,41,089	7,148	...	2,803	...	...	526	10,477	.....	10,477	13,963	—3,486	(a)
24	Parsul Tank	2,14,995	3,880	...	...	...	...	27	3,907	.....	3,907	4,934	—1,027	(a)
25	Pravara Left Bank Canal ...	3,47,550	...	...	42	...	...	2,288	2,330	76	2,406	6,857	—4,451	(a)
26	Bhátodi Tank	3,79,707	3,229	...	26	...	...	1,872	5,127	2,206	7,333	3,658	3,675	0·97
27	Kásurdi do.	45,590	246	...	...	...	...	41	287	.....	287	625	—338	(a)
28	Shirsuphal do.	2,24,568	2,633	...	...	...	...	930	3,573	.....	3,573	2,582	991	0·44
29	Bhádalvádi do.	2,27,422	2,547	...	70	...	...	137	,2734	.....	2,734	2,657	77	0·03
30	Koregaon do.	39,189	2,513	...	3	...	...	47	2,563	.....	2,563	922	1,641	4·19
31	Ashti do.	8,36,091	15,533	...	74	...	...	2,431	18,038	.....	18,038	5,849	12,189	1·46
32	Páthri do.	6,42,843	4,736	...	21	...	...	120	4,877	.....	4,877	2,002	2,875	0·45
33	Revári do.	59,811	5,598	...	...	...	...	512	6,100	.....	6,100	1,862	4,238	7·09
34	Upper Mán River Works	4,39,286	3,286	...	...	...	...	1,047	4,333	.....	4,333	3,067	1,266	0·29
35	Yerna River Irrigation Works ...	7,64,870	13,570	...	...	...	...	487	13,057	.....	13,057	7,426	5,631	0·74
36	Chikuli Canal	57,442	2,095	...	...	...	...	1,293	3,388	.....	3,388	782	2,606	4·54
37	Maini Tank	4,87,650	6,413	...	...	...	...	1,536	7,949	.....	7,949	3,141	4,808	0·99
38	Muchkundi Tank	1,53,707	...	...	...	...	...	171	171	.....	171	143	28	0·02
39	Gadikeri do.	16,918	...	...	...	...	...	...	...	2,061	2,061	339	1,722	10·12
40	Gokák Canal, First Section, and Storage Works	13,81,922	24,611	...	...	14,313	...	2,864	41,788	.....	41,788	11,186	30,602	2·21
41	Dambal Tank	63,980	398	...	...	...	...	647	1,045	916	1,961	1,273	688	1·08
42	Medleri do.	81,392	499	...	...	...	...	326	825	.....	825	863	—38	(a)
43	Madag do.	1,67,598	2,352	...	52	...	...	141	2,545	.....	2,545	1,874	671	0·40
44	Asundi do.	74,995	727	...	...	...	...	547	1,274	687	1,961	1,132	829	1·11
45	Mávinkop do.	33,504	...	...	...	...	...	...	...	2,244	2,244	2,170	74	0·22
46	Dharma Canal	87,639	2,201	...	...	...	...	84	2,285	—4,961	—2,676	1,158	—3,834	(a)
	Total, Minor Works and Navigation	92,12,499	1,10,218	...	3,193	14,313	...	22,983	1,50,707	5,056	1,55,763	1,12,066	43,697	0·47
	Grand Total ...	4,98,30,871	11,53,233	...	12,234	14,313	9	3,14,215	14,94,034	9,120	15,03,154	7,29,348	7,73,806	1·55

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works in th

No.	Name of work.	Area irrigated in Acres.							Average Discharges, Cubic Feet per Second.			
		Kharif.	Rabi.	Total.	Flow.	Lift.	Double-cropped.		At Head.		Utilized.	
							Area irrigated.	Percentage of Total Area.	Kharif.	Rabi.	Kharif.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13
	MAJOR WORKS.											
	Protective Works.											
1	Pravara River Works—Pravara Right Bank Canal(*a*)(*d*). ...	1,255	1,023	2,278	2,278	...	25	1·08	38·25	36·48	26·29	31·58
2	Girna Left Bank Canal ...	524	1,313	1,837	1,832	5	3	0·16	22·11	40·47	22·11	40·47
3	Lake Beale Dam	386	443	829	...	829	...	...	...	...	...	...
	Godavari Right Bank Canal (*b*)	4,029	11,424	15,453	15,443	10	245	1·59	107·91	103·36	94·55	88·63
	Godavari Left Bank Canal	1,162	2,387	3,549	3,546	3	135	3·80	56·18	43·65	49·74	36·43
4	Nira Canal and	28,675	2,987	31,662	31,552	110	860	2·72	223	272	169	231
	Shetphal Tank	2,316	250	2,566	2,566	...	141	5·49	23	27	23	24
5	Mhasvad Tank	2,306	2,540	4,846	4,663	183	291	6·00	21·09	35·55	21·09	35·55
	Total ...	40,653	22,367	63,020	61,880	1,140	1,700	2·70	...	...	...	...
	Productive Works.											
9	Háthmati Canal and Khári Cut Canal.	83 5,559	702 ...	785 5,559	752 5,111	33 448	... ...	... ...	27 87.	24 18	27 85	24 15
10	Lower Pánjra River Works.	122 **1,458	495 **353	617 **1,811	617	...	382	15·73	...	5·92	Not known.	5·92
11	Kádva River Works(*d*). Wághad Tank.	...	...	...	...	...	...	...	...	...	...	...
	Pálkhed Canal.	805	1,080	1,885	1,866	19	101	5·36	16·24	25·51	16·24	25·51
	Ojhar-Támbat Canal.	301	531	832	828	4	100	12·03	4·04	7·34	4·04	7·34
	Wadáli Canal(*e*)	53	140	193	193	...	28	14·51	4·69	6·84	4·69	6·84
12	Pravara River Works—Lákh Canal(*f*).	68	228	296	286	10	10	3·40	9·14	9·38	9·14	9·38
13	Mutha Canals (*c*)and Mátoba Tank(*d*).	8,000	665	8,665	8,540	125	3	0·03	163	128	*	*
		1,251	486	1,737	1,737	...	...	...	4·31	4·85	4·31	4·85
14	Ekruk Tank	1,187	242	1,429	1,402	27	...	...	26·80	19·56	22·70	15·38
15	Krishna Canal	2,846	553	3,399	2,851	548	...	...	55·28	53·39	55·28	53·39
	Total ...	20,275 **1,458	5,122 **353	25,397 **1,811	24,183	1,214	624	2·29	...	...	...	...
	Total, Major Works ...	60,928 **1,458	27,489 **353	88,417 **1,811	86,063	2,354	2,324	2·57	...	...	...	...
	MINOR WORKS AND NAVIGATION.											
16	Wangroli Tank	451	408	859	849	10	...	...	M.c.ft. 18	M.c.ft. §50	M.c.ft. 18	M.c.ft. §36
17	Tranza-Nagramma Tanks ...	...	...	...	...	...	...	...	...	...	...	...
18	Savli Tank	606	364	970	969	1	...	...	M.c.ft. 51	M.c.ft. 5	M.c.ft 51	M.c.ft. 5
19	Sahiat do.	...	...	...	...	...	...	...	...	...	...	...
20	Futalao do.	...	89	89	89	...	...	...	...	M.c.ft. 11·5	...	M.c.ft. 11·5
21	Hartála do.	15	24	39	39	...	...	...	...	0·23	0·18	0·23
22	Mhasva do.	112	234	346	344	2	...	...	0·18	3·22	0·80	3·22
23	Jámda Canals	745	529	1,274	1,274	...	..	...	0·80	52·72	34·51	36·80
24	Parsul Tank (*d*)	26	705	731	731	...	...	...	40·97	4·38	0·02	4·38
25	Pravara River Works—Pravara Left Bank Canal.	...	...	...	...	...	...	...	0·02	...	...	...
26	Bhátodi Tank	14	788	802	794	8	10	1·25	0·031	1·57	0·031	1·57
27	Kásurdi do.	38	42	80	80	...	...	...	...	...	...	...
28	Shirsuphal do. (*d*) ...	361(*g*) 513	580(*g*) 239	752	752	...	...	...	0·43	2·14	0·43	2·14
29	Bhádalvádi do. (*d*) ...	360(*g*) 485	447(*g*) 146	631	631	...	...	...	0·58	1·43	0·58	1·43
30	Koregaon do.	69	362	431	426	5	...	...	0·60	1·65	0·60	1·65
31	Ashti do.	1,014	1,490	2,504	2,501	3	...	...	4·18	8·24	4·18	8·24
32	Pathri do.	26	859	885	825	60	...	...	0·38	3·89	0·38	3·89
33	Revári Canal	218	652	870	869	1	57	6·55	2·70	4·56	2·38	3·49
34	Upper Mán River Works ...	169	530	699	699	...	97	13·88	3·07	5·69	2·68	5·33
35	Yerla River Irrigation Works.	337	2,139	2,476	2,463	13	66	2·67	7·11	25·95	3·96	15·49
36	Chikhli Canal	121	72	193	188	5	2	1·06	3·93	8·17	3·93	8·17
37	Maini Tank	68	1,431	1,499	1,480	19	...	...	4·92	16·98	4·92	16·78
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	**377	...	**377	...	...	...	...	...	...	...	...
40	Gokák Canal, 1st Section and Storage Works.	3,100	1,136	4,236	4,019	217	...	...	37·94	34·57	37·94	34·57
41	Dambal Tank	90	16 **144	106 **144	106	...	...	...	4·05	0·91	4·05	0·91
42	Medleri do.	36	14	50	50	..	...	...	2·12	3·27	2·12	3·27
43	Madag do.	330	240	570	568	2	...	...	8·43	4·77	8·43	4·77
44	Asundi do.	101	51 **190	152 **190	145	7	...	...	3·30	3·04	3·30	3·04
45	Mávinkop do.	**587	...	**587	...	...	...	...	...	...	...	...
46	Dharma Canal ...	508 **7,504	... **357	508 **7,861	508	...	...	...	33·33	21·60	33·33	21·60
	Total, Minor Works ...	9,192 **8,468	12,560 **691	21,752 **9,159	21,399	353	232	0·75	...	...	...	...
	GRAND TOTAL ...	70,120 **9,926	40,049 **1,044	110,169 **10,970	107,462	2,707	2,556	2·11	...	...	...	...

I-E.

Bombay Presidency, excluding Sind, for the year 1916-1917.

Area irrigated per Cubic Foot per Second.				Base to which the Duties of Water are calculated.		Remarks.
Discharged at Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
14	15	16	17	18	19	20
						(a) *Pravara Right Bank Canal.*—Over 80 per cent. of the kharif area was sugarcane and hence the low duty; it is a fair duty considering the scattered nature of the irrigation.
32·81	28·04	47·74	32·39	16th June to 15th October	16th October to 15th February	
23·70	36·30	23·70	36·30			
...	...	...	...			
37·34	110·52	42·61	128·90			(b) *Godavari Canals.*—Low duty for kharif was due to the fact that over 80 per cent. of the kharif area was sugarcane and that the canal discharge was run in excess of irrigational requirements. Extra discharge allowed for silty water to seal up the canals as much as possible to reduce percolation.
20·68	54·68	23·36	65·52	16th February to 15th October.	16th October to 15th February.	
128·59	86·67	169·67	102·06			
100·70	50·56	100·70	56·87			
109·34	123·83	109·34	123·83			
...	...	...	...			(c) *Mutha Canals.*—*Figures for utilized discharge are not available as the quantity let into the Matoba Tank was not measured. Besides water was supplied for drinking purposes to the City and the Cantonment of Poona. †The low duties are due to high proportion of sugarcane.
3·07	29·25	3·07	29·25	15th June to 14th October	15th October to 14th February.	
63·90	...	65·40	...			
Not known.	305·57	Not known.	305·57	15th June to 14th October ...	15th October to 14th February.	(d) Water from these canals and tanks is mostly used for monsoon and rabi irrigation. The discharge from these canals and tanks, if any, during the hot weather season being very small has been neglected and duties have been calculated to a base of 4 months only for the reason that if the discharge for hot weather be taken into account, the duties would have to be calculated to a base of 8 months which would vitiate the results greatly.
...	...	...	...			
49·57	84·00	49·57	84·00	16th June to 15th October	16th October to 15th Februry.	
74·50	134·74	74·50	134·74			
67·16	64·18	67·16	64·18			
7·44	24·31	7·44	24·31			
49·08†	†56·00	...	...	16th February to 15th October.	16th October to 15th February.	
290·26	322·06	290·26	322·06	16th June to 15th October ...	16th October to 15th February.	(e) *Wadali Canal.*—This canal has both 1st and 2nd class irrigation under it. The first 3 miles (about) has old Mamul (*i. e.*, Bandhara) irrigation and the remaining portion is under 1st class irrigation. Both are, however, fed by the same Bandhara; so while calculating duties the area under the 2nd class system is also taken into account in addition to the usual 1st class area. The figures for the Mamul irrigation area are :—
44·29	39·98	52·29	50·85	15th February to 14th October.	15th October to 14th February.	
51·48	10·36	51·48	10·36	16th February to 15th October.	16th October to 15th February.	
...	...	...	...			
...	...	...	...			
M.c.ft.25·06	M.c.ft. 8·16	M.c.ft.25·06	M.c.ft.11·33			
...	..		...			
M.c.ft.11·88	M.c.ft.72·80	M.c.ft.11·88	M.c.ft.72·80	15th June to 14th October...	15th October to 14th February.	
...	...	...	...			
...	M.c.ft. 7·74	...	M.c.ft. 7·74			
83·33	165·21	83·33	165·21	15th February to 14th October.	15th October to 14th February.	
140·00	76·40	140·00	76·40			
18·18	21·60	21·59	30·95			
¶1,300·00	164·84	¶1,300·00	164·84			
...	...	...	...			
340	505	340	505			
...	...	...	...	16th June to 15th October .	16th October to 15th February.	
¶839·53	271·03	¶839·53	271·03			
¶620·69	312·60	¶620·69	312·60			
115	273	115	273	15th February to 14th October.	15th October to 14th February.	
242	220	242	220			
68·42	226	68·42	226			
81	143	92	187			
55	93	63	99	16th February to 15th October.	16th October to 15th February.	
47	82	85	138			
31	9	31	9			
14	85	14	85			
...	...	...	...			
...	...	..	...			
82	33	82	33	15th February to 14th October	15th October to 14th February.	
22	176	22	176			
17	4	17	4			
39	50	39	50	16th January to 15th October.	16th October to 15th January.	
31	79	31	79			
...	...	...	...			
240	17	240	17			
...	...	...	...			
...	...	...	...			

Perennial	...	110 acres.
Hot weather	...	12 „
Kharif (4 months)	...	164 „
Rabi (4 months)	...	60 „
Eight months	...	112 „
		458 „

(f) *Lakh Canal.*—The low duties are due to unsatisfactory alignment of the canal and its distributaries. The canal will shortly be abandoned.

(g) *Shirsuphal and Bhadalwadi Tanks.*—The Antique figures in columns 3 and 4 against these tanks represent areas actually irrigated during the respective seasons. They differ from the figures shown in Statement IV-E owing to the fact that certain areas irrigated in rabi were assessed in kharif papers and *vice versa* and duties have been calculated on these figures. The figures in Statement IV-E represent areas assessed in the kharif season.

§ Difference is due to the water sold for filling Gomati Tank at Dakor.

¶ The very high duties on the Shirsuphal, Bhadalwadi and Parsal tanks are due to very good rainfall during the year which rendered it unnecessary to send water down the canals except for a few days in the season.

General applicable to Deccan Irrigation Division.

NOTE.—As perennial and eight months crops are irrigated during the rabi season, for columns 15 and 17, the areas of perennial and eight months crops so irrigated have been added to the rabi area in column 4 and the totals so obtained are divided by the figures of rabi discharge in columns 11 and 13. The figures in columns 15 and 17 thus represent areas actually irrigated per cusec.

** Area under consolidated assessment.

STATEMENT

Statement showing incidence of Working Expenses and Assessed Water Revenue

No.	Name of Work.	Average Discharge of the year at Canal Head in cubic feet per second.	Water-rate Assessed.					Gross assessed Revenue from all sources.	Working Expenses, Direct and Indirect.
			Occupier's.	Owner's.	Total Direct.	Indirect.	Total Direct and Indirect.		
	Major Works.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	65·41	10,180	...	10,180	...	10,180	10,994	19,543
2	Chankapur Tank—Girna Left Bank Canal	32·54	8,132	...	8,132	...	8,132	8,392	17,226
3	Darna Dam	.....	1,927	...	1,927	...	1,927	3,615	1,40,254
	Godavari Right Bank Canal ...	212·78	1,42,839	...	1,42,839	...	1,42,839	1,50,757	
	Do. Left Bank Canal ...	104·00	38,916	...	38,916	...	38,916	40,808	
4	Nira Canal and Shetphal Tank ...	240·00 24·00	4,39,237	...	4,39,237	...	4,39,237	4,46,909	1,54,665
5	Mhasvad Tank	25·95	30,437	...	30,437	...	30,437	33,734	17,122
	Total ...	.....	6,71,668	...	6,71,668	...	6,71,668	6,95,209	3,48,810
	Productive Works.								
9	Háthmati Canal and	18	33,274	...	33,274	...	33,274	39,394	38,390
	Khári Cut Canal	36							
10	Lower Páujhra River Works ...	4·32	11,087	...	11,087	3,245	14,332	16,496	7,187
11	Kádva River Works. Wághad Tank ...	.....	...	...	...	...	...	456	3,533
	Pálkhed Canal ...	20·86	14,564	...	14,564	594	15,158	17,116	9,027
	Ojhar-Támbat Canal	5·93	5,788	...	5,788	...	5,788	5,929	2,152
	Wadáli Canal ...	5·92	1,355	...	1,355	...	1,355	1,545	1,312
12	Pravara River Works—Lákh Canal	15·80	633	...	633	225	858	1,552	2,510
13	Mutha Canals and Mátoba Tank.	152·00 4·58 156·58	2,17,433	...	2,17,433	...	2,17,433	4,16,124	1,75,793
14	Ekrúk Tank	24·61	18,757	...	18,757	...	18,757	81,995	12,469
15	Krishna Canal	54·65	68,456	...	68,456	...	68,456	71,575	16,099
	Total ...	.....	3,71,347	...	3,71,347	4,064	3,75,411	6,52,182	2,68,472
	Total, Major Works ...	.....	10,43,015	...	10,43,015	4,064	10,47,079	13,47,391	6,17,282
	Minor Works and Navigation.								
16	Wangroli Tank	68 M. Cft.	2,750	...	2,750	1,767	4,517	6,308	8,015
17	Tranza-Nagramma Tanks ...	.....	...	...	...	60	60	547	2,855
18	Sávli Tank	56 M. Cft.	3,127	...	3,127	...	3,127	3,675	8,001
19	Sahiat do.	.....	...	...	...	...	...	723	7,304
20	Futelao do.	11·5 M. Cft.	268	...	268	....	268	421	1,790
21	Hartála do.	0·23	194	...	194	...	194	553	1,171
22	Mhasva do.	1·61	664	...	664	...	664	1,634	2,465
23	Jámda Canals	44·93	7,148	...	7,148	...	7,148	10,477	13,963
24	Parsul Tank	2·00	3,880	...	3,880	...	3,880	3,907	4,934
25	Pravara River Works—Pravara Left Bank Canal	.....	...	...	...	76	76	2,406	6,857
26	Bhátodi Tank	2·42	3,229	...	3,229	2,206	5,435	7,333	3,658
27	Kásurdi do.	.....	246	...	246	...	246	287	625
28	Shirsuphal do.	1·29	2,643	...	2,643	...	2,643	3,573	2,582
29	Bhádalvádi do.	1·01	2,547	...	2,547	...	2,547	2,734	2,657
30	Koregaon do.	0·76	2,513	...	2,513	...	2,513	2,563	922
31	Ashti do.	5·55	15,533	...	15,533	...	15,533	18,038	5,849
32	Páthri do.	1·44	4,736	...	4,736	...	4,736	4,877	2,002
33	Revári Canal	3·35	5,588	...	5,588	...	5,583	6,100	1,862
34	Upper Mán River Works ...	4·00	3,286	...	3,286	...	3,286	4,333	3,067
35	Yerla River Irrigation Works ..	12·79	12,570	...	12,570	...	12,570	13,057	7,426
36	Chikhli Canal	5·35	2,095	...	2,095	...	2,095	3,388	782
37	Maini Tank	9·66	6,413	...	6,413	...	6,413	7,949	3,141
38	Muchkundi do.	.....	...	...	...	...	...	171	143
39	Gadikeri do.	.....	...	...	...	2,061	2,061	2,061	339
40	Gokák Canal, 1st Section, and Storage Works	36·81	24,611	...	24,611	...	24,611	41,788	11,186
41	Dámbal Tank	3·26	398	...	398	916	1,314	1,961	1,273
42	Medleri do.	2·41	499	...	499	...	499	825	863
43	Madag do.	7·51	2,352	...	2,352	...	2,352	2,545	1,874
44	Asundi do.	3·24	727	...	727	687	1,414	1,961	1,132
45	Mávinkop do.	.....	...	...	...	2,244	2,244	2,244	2,170
46	Dharma Canal	30·46	2,201	...	2,201	—4,961	—2,760	—2,676	1,158
	Total, Minor Works ...	.....	1,10,218	...	1,10,218	5,056	1,15,274	1,55,763	1,12,066
	Grand Total ...	.....	11,53,233	...	11,53,233	9,120	11,62,353	15,03,154	7,29,348

II-E.

on Canals in the Bombay Presidency, excluding Sind, during the year 1916-1917.

Area irrigated during the year.	Working Expenses.			Occupier's Rate.		Total Water-rate, Direct and Indirect.		Remarks.
	Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
2,278	177·76	8·58	298·78	4·47	155·67	4·47	155·67	
1,837	205·27	9·38	529·38	4·43	249·94	4·43	249·94	
829	71·85	7·07	442·75	...	.....	...	.....	
15,453				9·26	671·30	9·26	671·30	
3,549				10·96	374·19	10·96	374·19	
34,228	34·61	4·52	585·85	12·83	1,662·65	12·83	1,662·65	
4,846	50·77	3·53	659·81	6·28	1,172·60	6·28	1,172·60	
63,020	50·17	5·53	.....	10·65	.....	10·65	...	
783	97·45	6·05	710·93	5·24	73·22	5·24	73·22	
5,559					887·56		887·56	
617	43·60	2·96	1,664	4·57	2,566	5·90	3,318	*Area under consolidated assessment.
*1,811								
...	...	...	...	...	...	...	...	
1,885	54·63	4·78	432·74	7·73	698·18	8·04	726·65	
832	36·32	2·59	362·90	6·96	975·88	6·96	975·83	
193	84·95	6·80	220·88	7·02	228·88	7·02	228·88	†This large figure is explained by the fact that the working expenses include those for the Poona Water Supply, which is a part of the Mutha Canals.
296	161·83	8·48	158·86	2·14	40·00	2·90	54·24	
10,402	42·24	†16·90	1,122·70†	20·90	1,388·62§	20·91	1,388·40§	§The high rate is due to high proportion of sugarcane, which is very high rated crop on this canal.
1,429	15·21	8·73	507	13·12	762	13·12	762	
3,399	22·49	4·73	294·50	20·13	1,252·62	20·13	1,252·62	
25,397	41·16	9·87	.....	13·64	.....	13·80	...	
*1,811								
88,417	45·81	6·84	.....	11·56	.....	11·60	...	
*1,811								
859	127·06	9·33	117·87 Per M. Cft.	3·19	40·32 Per M. Cft.	5·26	4·32 Per M. Cft.	
...	521·94	...	.....	...	.....	...	... ...	
970	217·71	8·25	142·88 Per M. Cft.	3·22	55·84 Per M. Cft.	3·22	55·84 Per M. Cft.	
...	1,010·24	...	.....	...	.....	...	.....	
89	425·18	20·11	155·65 Per M. Cft.	3·01	23·30 Per M. Cft.	3·01	23·30 Per M. Cft.	
39	211·75	30·03	5,091	4·97	843	4·97	843	
346	150·86	7·12	1,531	1·92	412	1·92	412	
1,274	133·27	10·96	311	5·61	159	5·61	159	
731	126·28	67·50	2,467·00	6·42	885·84	6·43	885·84	
...	...	...	.....	...	.....	...	.....	This canal is temporarily closed for widening and extension.
802	49·88	4·56	1,511	4·03	1,334	6·78	2,246	
80	218·53	7·81	.....	3·62	...	3·62	...	
752	72·26	3·43	2,001·54	3·96	2,048·83	3·96	¶2,048·83	¶These tanks are worked only during monsoon and rabi seasons. Hence the discharge given is for 8 months period and not for twelve months.
631	97·15	4·21	2,603·70	4·39	2,545·54	4·39	¶2,545·54	
431	35·97	2·14	1,213	5·83	3,306	5·83	3,306	
2,504	32·43	2·34	1,054	6·20	2,799	6·20	2,799	
885	41·05	2·26	1,390	5·35	3,289	5·35	3,289	
870	30·53	2·14	555·82	6·42	1,668·07	6·42	1,668·07	
699	70·76	4·38	766·75	4·70	821·75	4·70	821·75	
2,476	56·87	2·99	580·60	5·07	982·80	5·07	982·80	
193	23·08	4·00	146·16	10·85	391·58	10·85	391·58	
1,499	39·51	2·10	325·15	4·27	663·87	4·27	663·87	
...	...	...	...	...	...	...	...	
*377	16·45	0·90	...	...	...	5·47	...	
4,236	26·77	2·64	303·88	5·81	668·56	5·81	668·56	
106	64·92	5·09	390·00	1·59	122·00	5·47	403·00	
*144								
50	104·61	17·26	358·00	9·98	207·00	9·98	207·00	
750	73·63	3·29	250·00	4·13	313·00	4·13	313·00	
152	57·73	3·31	349·00	2·13	224·00	4·13	436·00	
*190								
*587	96·70	3·70	.....	...	...	3·82	...	
598	5·64	0·14	38·00	0·26	72·00	...	670·00	
*7,861								
21,752	71·94	3·63	.....	3·57	...	3·73	...	
*9,159								
110,169	48·52	6·02	.....	9·52	...	9·59	...	
*10,970								

STATEMENT

Statement of Quantity and Value of Crops irrigated in the Bombay

	(1) Pravara River Works—Pravara R. B. Canal.		(2) Chankapur Tank—Girna L. B. Canal.		(3A) Darna Dam (Lake Beale).		(3B) Godavari Right Bank Canal.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	8	303	1	18	...	...	23	935
Gardens and Orchards. — Fruits and other trees ...	125	27,884	3	504	...	...	109	4,700
Sugarcane	1,330	3,99,039	97	31,764	...	...	3,268	17,48,325
Cereals ... — Wheat	244	11,907	880	44,564	...	...	5,291	1,07,387
Cereals ... — Barley	...	...	...	...	...	...	...	...
Cereals ... — Rice	...	...	22	604	...	...	28	465
Cereals ... — Maize	8	430	...	...	...	...	23	849
Cereals ... — Jowár	71	2,552	1	15	...	...	37	775
Cereals ... — Chino, Rági, Rála, Wara ...	...	...	...	...	...	...	...	...
Cereals ... — Bájri	2	30	3	88	...	...	...	...
Cereals ... — Miscellaneous	...	...	...	...	...	...	...	...
Pulses ... — Gram, Udid, Mug... ...	76	3,164	754	14,210	...	...	375	7,873
Pulses ... — Tur	...	...	...	...	...	...	...	...
Pulses ... — Peas	...	...	1	16	...	...	...	...
Pulses ... — Groundnut	48	3,362	31	1,724	...	..	245	8,360
Pulses ... — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	109	3,899	22	491	...	...	265	8,104
Fodder Crops — Lucerne, &c.	94	22,348	...	...	...	...	174	9,007
Fibres ... — Cotton	1	150	1	57	...	...	...	...
Fibres ... — Tág (Hemp)	...	...	...	...	...	...	18	495
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	1	142	...	...	...	...	...	...
Drugs and Narcotics — Bhánng	...	...	...	...	...	...	...	...
Oil-seeds ... — Mustard, Sesam	...	...	5	113	...	...	...	...
Oil-seeds ... — Linseed, Castor-oil ...	1	10	...	...	...	...	...	...
Condiments ... — Chilly and Onions ...	74	7,429	13	599	...	..	46	4,308
Condiments ... — Garlic, Turmeric and Methi.	86	5,407	...	...	...	...	53	2,158
Miscellaneous	...	...	...	...	...	...	...	...
Land insufficiently irrigated	...	...	3	...	829*	...	5,498	...
Total ...	2,278	4,88,056	1,837	94,767	829	...	15,453	19,03,741
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

* This represents the area in the basin of Lake Beale let out for cultivation and measured as per G. R. No. A. I.—7200 of 9th August 1912. respect of different crops.

† It includes 16 acres of sugarcane to which water was given for the same area in different seasons and 298 acres for ploughing purposes in

‡ Includes waste of water.

III-E.

Presidency, excluding Sind, during the year 1916-1917.

(3c) Godavari Left Bank Canal.		(4) Nira Canal, including Shetphal Tank.		(5) Mhaswad Tank.		(9) Hathmati Canal and Khari Cut.		(10) Lower Panjhra River Works.		(11) Kadva River Works. Pálkhed Canal.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
15	676	...	...	42	2,658	...	...	2	35	21	735
14	1,019	179	26,850	48	3,473	3	120	16	2,106	36	2,851
919	4,14,527	8,700	39,15,000	142	64,120	25	5,700	...	...	249	99,705
1,061	32,235	1,431	1,01,680	624	18,034	103	4,120	393	5,780	405	21,173
...	...	...	...	29	670	31	775	...	...	...	...
6	240	...	...	108	14,352	5,596	3,35,150	2	140	132	12,329
3	56	...	...	106	1,313	...	...	...	...	1	45
...	...	11,432	5,71,600	1,369	1,25,881	...	...	1	50	5	197
...	...	...	...	13	174	...	...	...	...	...	...
2	15	4,832	1,44,990	38	3,104	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	52
82	2,855	2,957	84,800	469	14,916	246	4,920	7	115	164	6,565
...	...	255	7,650	6	99	...	...	...	...	...	...
...	...	...	...	1,549	96,630	...	...	91	935	...	...
98	4,232	1,248	62,400	...	...	...	...	104	3,600	405	26,405
...	...	...	...	...	...	...	...	...	...	...	...
138	7,147	52	1,560	76	424	...	...	...	...	62	1,755
54	3,648	122	24,400	...	...	...	...	...	...	14	1,392
3	100	25	1,250	32	840	...	...	...	...	...	...
11	350	107	2,675	...	...	...	...	...	...	1	41
...	...	...	...	...	...	...	...	...	...	...	...
1	60	21	1,575	2	61	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	12	720	...	...	...	...
...	...	...	...	5	64	...	...	...	...	...	...
24	2,332	312	18,720	75	4,980	3	120	1	30	322	24,934
36	1,805	...	...	5	115	6	210	...	...	...	...
...	...	2,555	76,650	108	888	319†	200	...	...	67	...‡
1,082	...	...	...	...	...	...	...	...	...	...	...
3,549	4,71,297	34,228	50,41,800	4,846	3,52,796	6,344	3,52,035	617	12,791	1,885	1,98,179
...	...	...	...	...	...	...	...	1,811	...	...	...

As a uniform rate of Rs. 2 was to be levied, the areas were not measured distinctly for each crop and hence the area cannot be classified in the Hathmati Canal Sub-division.

STATEMENT

	(11) Kádva River Works.						(12) Pravara River Works—La'kh Canal.	
	Ojhar-Tambat Canal.		Wadáli Canal.		Waghad Tank.			
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	28	864	3	115	...	...	2	250
Gardens and Orchards. — Fruits and other trees	1	64	9	1,020	...	...	16	5,855
Sugarcane	86	34,390	12	4,700	...	...	39	12,247
Cereals — Wheat	133	6,801	24	1,174	...	...	125	8,944
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	4	435	2	229	...	...	...	...
Cereals — Maize	1	49	1	29	...	...	...	...
Cereals — Jowár	3	116	...	...	...	...	1	65
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	...	...
Cereals — Bájri	...	...	...	...	...	...	...	...
Cereals — Miscellaneous	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	38	1,517	32	1,302	...	...	104	4,723
Pulses — Tur	...	...	...	...	...	...	...	...
Pulses — Peas	1	31	...	...	...	...	...	...
Pulses — Groundnut	97	3,896	42	1,682	...	...	...	...
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	26	675	19	559	...	...	1	30
Fodder Crops — Lucerne, &c.	19	1,900	2	167	...	...	...	...
Fibres — Cotton	...	...	...	...	...	...	...	...
Fibres — Tág (Hemp)	11	425	...	...	...	...	...	...
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	...	...	...	...	...	...	2	250
Drugs and Narcotics — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...	...	...
Condiments — Chilly and Onions	286	27,335	28	2,533	...	...	6	837
Condiments — Garlic, Turmeric and Methi.	...	...	...	...	...	...	...	...
Miscellaneous	103	...*	9	...*	...	...	...	...
Land insufficiently irrigated	...	...	...	...	...	...	...	...
Total	832	78,498	193	13,510	...	...	296	33,201
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

* Includes waste of water.

III-E—*continued.*

(13) Mutha Canals, including Matoba Tank.		(14) Ekbuk Tank.		(15) Krishna Canal.		(16) Wangroli Tank.		(17) Tranza-Nagramma Tanks.		(18) Savli Tank.		(19) Sahiat Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Rs.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
...	...	8	250	...	...	...	...	...	...	...	...	...	...
1,374	1,57,750	37	5,440	24	1,440	...	...	...	...	...	...	...	...
5,075	22,83,750	365	1,46,000	1,993	13,05,610	...	...	...	...	...	...	...	...
541	32,460	63	3,100	347	17,350	5	100	...	...	184	3,680	...	...
...	...	43	1,300	...	...	...	...	...	...	...	...	...	...
...	...	363	26,000	236	28,320	447	11,175	...	...	605	15,125	...	...
44	2,200	9	500	4	80	4	100	...	...	...	...	...	...
70	3,500	42	2,100	19	1,520	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
1,780	53,400	...	...	...	...	...	...	...	...	...	...	...	...
588	17,640	110	2,630	50	350	...	...	...	...	...	...	...	...
29	870	18	460	5	300	376	3,760	...	...	181	1,810	...	
2	60	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	33	990	...	...	...	...	...	...	...	...
1	50	240	11,000	10	1,000	...	...	...	...	...	...	...	...
181	3,620	...	...	90	3,600	...	...	...	...	...	...	...	...
171	5,130	77	4,000	23	1,450	...	...	...	...	...	...	...	...
80	16,000	...	...	...	...	...	...	...	...	...	...	...	...
6	300	12	500	...	...	6	300	...	...	...	...	...	...
5	125	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	75	...	...	6	1,500	5	300	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...
128	7,680	19	1,800	44	8,800	...	...	...	...	...	...	...	...
3	90	10	850	472	21,240	2	30	...	...	...	...	...	...
123	3,690	13	...	43	4,300	14	280	...	...	...	...	...	...
200	4,000	...	...	...	...	...	...	...	...	...	...	...	...
10,402	25,92,390	1,429	2,05,930	3,399	13,97,850	859	16,045	...	...	970	20,615	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...

STATEMENT

	(20) Hartála Tank.		(21) Mhasva Tank.		(22) Jamda Canals.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	6	1,225	7	375	466	3 88
Gardens and Orchards. — Fruits and other trees	...	...	...	...	...	...
Sugarcane	7	1,000	1	130	100	14,263
Cereals — Wheat	23	485	176	4,283	560	13,092
Cereals — Barley	...	...	...	...	...	...
Cereals — Rice	...	...	...	...	5	106
Cereals — Maize	...	...	...	...	...	...
Cereals — Jowár	...	...	...	...	...	...
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...
Cereals — Bájri	...	...	...	...	...	...
Cereals — Miscellaneous	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	...	...	158	3 30	56	598
Pulses — Tur	...	...	...	...	...	...
Pulses — Peas	...	...	1	5	4	39
Pulses — Ground-nut	...	...	3	70	12	828
Pulses — Miscellaneous	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...
Fodder Crops — Lucerne, &c.	...	...	...	...	3	23
Fibres — Cotton	...	...	...	...	...	...
Fibres — Tág (Hemp)	...	...	...	...	...	...
Dyes	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	...	...	...	...	1	50
Drugs and Narcotics. — Bháng	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...
Condiments — Chilly and Onions	2	67	...	...	41	1,278
Condiments — Garlic, Turmeric and Methi	1	6	...	...	3	25
Miscellaneous	...	...	...	...	23	685
Land insufficiently irrigated	...	...	...	...	...	...
Total	39	2,783	346	8,093	1,274	69,675
Area on which consolidated assessment is levied	...	...	...	...	...	...

III-E—*continued.*

(23) Parsul Tank.		(24) Pravara River Works—Pravara L. B. Canal.		(25) Bhatodi Tank.		(26) Kásurdi Tank.		(27) Shirsuphal Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
12	754	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	12	2,400
2	356	...	...	4	315	...	...	2	600
133	4,647	...	...	150	3,761	29	1,160	100	50,000
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	2	80	...	...
...	...	...	...	440	7,042	7	280	78	3,120
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	7	210	3	90
...	...	...	...	...	...	25	625	496	12,400
...	...	...	...	...	...				
				99	493	2	80	14	420
549	16,462	...	...					1	25
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
1	99	...	...	75	3,747	4	120	2	60
...	...	...	...	...	...	...	...	...	...
7	106	...	...	...	...	...	...	...	...
1	27	...	...	...	...	...	...	...	...
								4	160
1	52	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	15	144	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
				14	289	2	100	2	100
25	1,632	...	...	...	...	...	...	...	...
...	...	...	...						
				5	578	2	40	38	760
...	...	...	...	...	...	...	...	...	...
731	24,135	...	...	802	16,369	80	2,695	752	70,135
...	...	...	...	...	...	...	...	...	...

STATEMENT

	(28) Bhádalvádi Tank.		(29) Koregaon Tank.		(30) Ashti Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	5	75	...	...
Gardens and Orchards. — Fruits and other trees	...	...	...	...	24	2,347
Sugarcane	...	...	1	200	66	20,013
Cereals — Wheat	45	2,250	66	1,747	453	10,915
Cereals — Barley	...	...	...	...	4	17
Cereals — Rice	...	...	...	...	195	10,478
Cereals — Maize	6	240	...	...	58	871
Cereals — Jowár	45	1,350	257	5,140	683	10,567
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...
Cereals — Bájri	9	225	...	...	3	33
Cereals — Miscellaneous	492	14,760	...	...	...	...
Pulses — Gram, Udid, Mug	8	240	9	108	315	8,363
Pulses — Tur	1	25	...	...	1	30
Pulses — Peas	...	...	...	...	...	...
Pulses — Ground-nut	3	75	2	64	476	32,949
Pulses — Miscellaneous	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	6	92
Fodder Crops — Lucerne, &c.	...	...	...	...	...	...
Fibres — Cottop	...	...	...	...	58	4,190
Fibres — Tág (Hemp)	...	...	...	...	...	...
Dyes	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	...	...	...	...	...	...
Drugs and Narcotics. — Bháng	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	2	20
Condiments — Chilly and Onions	3	150	11	385	157	11,069
Condiments — Garlic, Turmeric and Methi.	...	...	78	9,750	3	114
Miscellaneous	19	380	2	*Nil*	...	...
Land insufficiently irrigated	...	...	...	...	...	...
Total	631	19,695	431	17,469	2,504	1,12,068
Area on which consolidated assessment is levied	...	...	...	...	...	...

III-E—*continued.*

(31) Pathri Tank.		(32) Revári Canal.		(33) Upper Mán River Works.		(34) Yerla River Irrigation Works.		(35) Chikhli Canal.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
2	30	...	...	...	...	...	...	...	...
1	250	3	240	1	300	66	11,200	3	150
1	200	87	30,450	25	10,000	96	36,480	56	31,041
56	1,422	288	8,640	134	6,336	386	16,668	17	850
...	...	...	...	11	132	...	...	...	...
...	...	66	1,980	4	480	27	1,296	3	360
...	...	...	...	30	1,500	16	336	...	...
743	14,860	312	14,040	263	13,150	1,381	1,24,290	1	80
...	...	...	...	8	96	1	20	..	...
...	...	...	...	13	260	...	...	...	...
...	...	...	...	...	...	...	...	3	21
37	444	30	960	90	1,350	285	9,104	3	180
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	21	548	37	1,776	30	1,350	2	160
...	...	2	46	...	...	...	...	9	360
...	...								
				36	720	5	260	1	100
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
						1	160	...	...
2	60	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
13	455	10	500	26	1,215	86	5,070	48	14,400
13	1,625	34	4,930	1	20	27	2,730	45	16,875
17	*Nil*	17	1,080	20	640	69	7,350	2	100
...	...	...	...	...	...	...	...	...	...
885	19,346	870	63,414	699	37,975	2,476	2,16,314	193	65,577
...	...	...	...	...	...	...	...	...	...

STATEMENT

	(36) Maini Tank.		(37) Muchkundi Tank.		(38) Gadikeri Tank.		(39) Gokák Canal, 1st Section, and Storage Works.		(40) Dambal Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	...	...	...	...	29	1,631	23	681
Gardens and Orchards. — Fruits and other trees	12	1,280	...	...	...	...	23	2,875	3	121
Sugarcane	41	8,200	...	...	...	...	181	83,622	1	60
Cereals — Wheat	141	7,787	...	...	...	...	1	43	...	...
Cereals — Barley	...	...	...	...	...	...	170	7,310	...	...
Cereals — Rice	6	288	...	...	...	...	151	12,382	...	...
Cereals — Maize	2	42	...	...	...	...	1,571	42,417	...	...
Cereals — Jowár	978	80,460	...	...	...	...	326	10,758	25	642
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	132	3,564	...	...
Cereals — Bájri	...	...	...	...	...	...	3	20	...	...
Cereals — Miscellaneous	...	...	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	213	7,480	...	...	...	...	345	7,245	...	...
Pulses — Tur	...	...	...	...	...	...	...	...	...	...
Pulses — Peas	...	...	...	...	...	...	...	...	...	...
Pulses — Ground-nut	55	4,185	...	...	...	...	92	2,921	...	...
Pulses — Miscellaneous	13	400	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...	...	...	...	...
Fodder Crops — Lucerne, &c.	...	...	...	...	...	...	...	...	...	...
Fibres — Cotton	...	...	...	...	...	...	9	468	...	...
Fibres — Tág (Hemp)	...	...	...	...	...	...	122	4,392	...	...
Dyes	...	...	...	...	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	2	320	...	...	...	...	3	132	...	...
Drugs and Narcotics. — Bháng	...	...	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...	3	60
Oil-seeds — Linseed, Castor-Oil	...	...	...	...	...	...	...	...	...	...
Condiments — Chilly and Onions	14	860	...	...	...	...	1,026	28,728	...	...
Condiments — Garlic, Turmeric and Methi.	22	990	...	...	...	...	46	1,472	51	1,285
Miscellaneous	...	...	...	...	...	...	6	12	...	...
Land insufficiently irrigated	...	...	...	...	...	...	...	...	...	...
Total	1,499	1,12,292	...	...	...	...	4,236	2,09,992	106	2,849
Area on which consolidated assessment is levied	...	...	...	...	377	...	...	...	144	...

III-E—*concluded.*

(41) Medleri Tank.		(42) Asundi Tank.		(43) Madag Tank.		(44) Mávinkop Tank.		(45) Dharma Canal.		(47) Futelao Tank.		Total.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
2	35	38	1,546	39	2,325	...	...	...	...	...	...	777	54,204
29	1,697	...	...	2	147	...	...	...	...	...	...	2,173	2,64,088
...	...	29	5,890	13	509	...	...	...	...	...	...	23,013	1,07,09,106
...	...	...	...	...	...	...	...	...	...	22	1,540	14,634	5,56,115
...	...	...	...	...	...	...	...	...	...	8	400	296	10,604
5	81	...	...	301	5,946	...	...	508	25,400	...	...	8,822	5,03,361
...	...	...	...	...	...	...	...	...	...	...	...	1,889	51,137
6	97	...	...	...	...	...	...	...	...	...	...	18,596	9,94,247
...	...	2	36	...	...	...	...	...	...	...	...	156	3,890
...	...	...	...	...	...	...	...	...	...	...	...	6,695	2,02,465
...	...	...	...	...	...	...	...	...	...	...	...	1,765	48,478
...	...	...	...	...	...	...	...	...	...	59	4,130	8,185	2,15,047
...	...	...	...	...	...	...	...	...	...	...	...	266	7,880
...	...	...	...	...	...	...	...	...	...	...	...	1,680	98,646
...	...	...	...	...	...	...	...	...	...	...	...	3,384	1,76,663
...	...	...	...	...	...	...	...	...	...	...	...	295	8,026
...	...	...	...	...	...	...	...	...	...	...	...	1,096	36,502
...	...	...	...	...	...	...	...	...	...	...	...	563	78,912
...	...	...	...	...	...	...	...	...	...	...	...	158	8,367
...	...	...	...	...	...	...	...	...	...	...	...	275	8,503
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	63	4,829
2	66	...	...	...	...	...	...	...	...	...	...	2	66
...	...	...	...	...	...	...	...	...	...	...	...	20	893
...	...	...	...	...	...	...	...	...	...	...	...	8	94
6	104	38	1,510	1	13	...	...	...	...	...	...	2,916	1,80,362
...	...	45	3,497	214	12,339	...	...	...	...	...	...	1,256	87,563
...	...	...	...	...	...	...	...	...	...	...	...	3,574	97,633
...	...	...	...	...	...	...	...	...	...	...	...	7,612	4,000
50	2,080	152	12,479	570	21,279	...	...	508	25,400	89	6,070	110,169	1,44,11,685
...	...	190	...	...	...	587	...	7,861	...	...	...	10,970	...

STATEMENT

Comparative Statement of Irrigation and Rainfall for the years

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Ahmedabad ...	2,451,865	1,965,127	1,804,045	9	Hathmati Canal	28,840
					Khári Cut „	20,000
					Total ...	48,840
Kaira	1,023,500	884,590	833,996	16	Wangroli Tank	5,000
				17	Tranza-Nagrama Tanks	1,290
				18	Savli Tank	4,700
				19	Saiat „	4,000
					Total ...	14,990
Panch Maháls ...	1,028,973	797,534	532,498	47	Futelao Tank	1,500
West Khándesh..	3,480,394	1,741,630	1,412, 077	10	Lower Pánjhra River Works... ...	12,627
East Khándesh ...	2,907,539	2,058,795	1,983,539	20	Hartala Tank	527
				21	Mhásva „	4,075
				22	Jámda Canals	40,185
					Total ...	44,787
Poona	3,421,900	2,553,901	2,538,985	4	Nira Canal and Shetphal Tank	227,670
				13	Mutha Canals including Mátoba Tank	49,800
				26	Kásurdi Tank	478
				27	Shirsuphal „	2,500
				28	Bhádalvádi „	2,400
					Total ...	282,848
Násik	3,771,316	2,481,019	2,128,268	2	Chankapur Tank—Girna Left Bank Canal.	15,109
				11	Kádva River Works. Wághad Tank ... ... Pálkhed Canal ... 26,280 Ojhár-Támbat Canal ... ... 7,421 Wadáli Canal ... 2,729	
				23	Parsul Tank	3,197
				3	Godavari River Works— Lake Beale ... Godavari Right Bank Canal ... Godavari Left Bank Canal ...	83,000
					Total ...	137,736
Ahmednagar ..	4,234,571	3,201,280	2,371,362	3	Godavari Right Bank Canal ... Godavari Left Bank Canal ...	136,390
				1	Pravara Right Bank Canal	60,000
				12	Lákh Canal	25,536
				24	Pravara Left Bank Canal	21,155
				25	Bhátodi Tank	13,657
					Total ...	256,738
Sholápur ..	2,915,598	2,510,737	2,132,512	5	Mhaswad Tank	102,400
				14	Ekrúk „	16,941
				29	Koregaon „	2,394
				30	Ashti „	16,825
				31	Páthri „	4,586
					Total ...	143,146

IV-E.

1915-1916 and 1916-1917 in the Bombay Presidency, excluding Sind.

Area at present estimated as annually irrigable by the works specified in Column 6.	Area irrigated in Acres.						Rainfall.		Remarks
	1915-1916.			1916-1917.			1915-1916.	1916-1917.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
8,000	357	175	532	83	702	785	14·04	21·29	At Prántij.
16,000	970	6	976	5,559	...	5,559	12·04	26·64	At Ahmedabad.
24,000	1,327	181	1,508	5,642	702	6,344			
3,400	...	...	...	451	408	859	12·09	32·45	Rain-gauges fixed on the tanks.
300	...	...	...	...	...	...	11·31	20·87	
3,000	...	550	550	606	364	970	16·09	26·47	
2,000	...	...	...	...	...	...	10·12	20·41	
9,200	...	550	550	1,057	772	1,829			
800	Was not completed.			...	89	89	25·02	27·87	Dohad Dispensary.
12,627	259	854	1,113	122	495	617	19·20	33·61	
	*1,539	*273	*1,812	*1,458	*353	*1,811			* Area under consolidated assessment.
415	20	92	112	15	24	39	44·04	43·23	
1,700	60	695	755	112	234	346	24·62	30·12	
5,000	785	1,368	2,153	745	529	1,274	27·56	25·04	
7,115	865	2,155	3,020	872	787	1,659			
113,280	36,359	9,936	46,295	28,675	2,987	31,662	25·94	32·62	
4,200	3,416	1,148	4,564	2,316	250	2,566	31·07	39·67	
16,800	7,863	1,156	9,019	8,000	665	8,665	36·78	29·07	
3,250	1,312	1,193	2,505	1,251	486	1,737	20·52	26·13	
150	34	80	114	38	42	80	24·33	25·67	
1,800	544	489	1,033	513	239	752	20·44	26·21	
2,000	811	618	1,429	485	146	631	20·21	29·68	
141,480	50,339	14,620	64,959	41,278	4,815	46,093			
5,100	329	1,381	1,710	524	1,313	1,837	21·90	24·51	
...	...	...	...	...	...	...	...	...	
9,837	512	1,583	2,095	805	1,080	1,885	28·71	40·94	
2,367	230	567	797	301	531	832	25·59	18·48	
2,433	37	177	214	53	140	193	27·77	28·64	
1,000	570	766	1,336	26	705	731	16·13	26·73	
15,310†	237	842	1,079	386	443	829	40·41	39·96	† Area for the whole project.
	139	1,932	2,071	246	1,230	1,476	28·51	32·04	
	148	1,162	1,310	284	971	1,255	27·12	32·04	
36,047	2,202	8,410	10,612	2,625	6,413	9,038			
33,501†	3,033	10,995	14,028	3,783	10,194	13,977	28·51	32·04	
	335	1,154	1,489	878	1,416	2,294	27·12	32·04	
24,656	1,213	2,481	3,694	1,255	1,023	2,278	27·48	43·44	
11,280	284	306	590	68	228	296	25·71	32·83	
14,763	...	1,212	1,212	...	...	...	27·48	43·44	
12,124	14	1,007	1,021	14	788	802	29·39	41·46	
96,324	4,879	17,155	22,034	5,998	13,649	19,647			
24,300	1,731	4,996	6,727	2,188	2,271	4,459	27·28	47·69	
16,941	1,835	1,101	2,936	1,187	242	1,429	23·66	45·66	
1,050	102	512	614	69	362	431	35·75	40·48	
11,780	529	2,514	3,043	1,014	1,490	2,504	28·39	34·32	
2,500	263	1,213	1,476	26	859	885	30·89	47·89	
56,571	4,460	10,336	14,796	4,484	5,224	9,708			

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.			Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Belgaum ...	2,952,372	2,266,443	1,788,686	38	Gadikeri Tank		Not known.
				39	Gokák Canal, 1st Section and Storage Works		17,627
						Total ...	17,627
				5	Mhaswad Tank		3,814
				15	Krishna Canal		26,453
				32	Revári „		3,624
Sátára	3,135,721	2,358,490	2,323,877	33	Upper Mán River Works		7,623
				34	Yerla River Irrigation Works		10,680
				35	Chikhli Canal		1,478
				36	Maini Tank		4,825
						Total ...	58,297
				40	Dámbal Tank		2,500
				41	Medleri „		880
Dhárwár ...	2,046,934	2,461,111	2,213,050	42	Asundi „		1,011
				43	Madag „		1,345
				46	Dharma Canal		12,870
						Total ...	18,556
Kánara	2,525,797	381,000	339,235	44	Mávinkop Tank		755
Bijápur	8,052,827	8,283,108	2,909,272	87	Muchkundi Tank		5,417
	40,449,317	28,854,760	25,311,402			Grand Total ...	1,043,864

IV-E—*concluded.*

Area at present estimated as annually irrigable by the works specified in Column 6.	Area Irrigated in Acres.						Rainfall.		Remarks.
	1915-16.			1916-17.			1915-16.	1916-17.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
417	377*	...	377*	377*	...	377*	29·02	22·67	
17,627	3,217	1,449	4,666	3,100	1,136	4,236	21·68	32·23	
18,044	3,217 377*	1,449	4,666 377*	3,100 377*	1,136	4,236 377*			
500	87	491	578	118	269	387	23·34	47·26	
12,320	2,670	754	3,424	2,846	553	3,399	32·18	27·96	
1,920	203	748	951	218	652	870	34·02	30·34	
2,089	71	805	876	169	530	699	17·20	27·86	
5,480	520	3,483	4,003	337	2,139	2,476	27·24	30·47	
1,478	152	80	232	121	72	193	25·84	28·51	
4,625	264	1,479	1,743	68	1,431	1,499	22·26	46·58	
28,403	3,967	7,840	11,807	3,877	5,646	9,523			
1,000	4	68 144*	72 144*	90	16 144*	106 144*	20·67	26 20	
600	60	12	72	36	14	50	11·64	21·94	
1,011	92	38 190*	130 190*	101	51 190*	152 190*	22·15	23·76	
1,345	327	187	514	330	240	570	21·12	28·76	
12,870	522 7,504*	... 357*	522 7,861*	508 7,504*	... 357*	508 7,861*	77·91	33·71	
16,826	1,005 7,504*	305 691*	1,310 8,195*	1,005 7,504*	321 691*	1,386 8,195*			
617	597*	...	597*	587*	...	587*	No rain-gauge.		
750	...	...	...	...	...	...	20·19	36·67	
448,804	72,520 10,017*	63,855 964*	136,375 10,981*	70,120 9,926*	40,049 1,044*	110,169 10,970*			

* Area under consolidated assessment.

STATEMENT F.

Statement showing the Operation of Irrigation Works in the Bombay Presidency, excluding Sind, for the year 1916-1917.

No.	Names of Works.	Amount due, 1916-1917.		Remissions.		Total.		Grand Total.	Remarks.
		Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.		
1	2	3	4	5	6	7	8	9	10
	Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	6,579	3,617	...	...	6,579	3,617	10,196	
2	Chankapur Tank—Girna Left Bank Canal	3,596	4,536	...	...	3,596	4,536	8,132	
	Lake Beale Dam	946	981	...	...	946	981	1,927	
3	Godavari Right Bank Canal ...	1,11,747	31,672	...	...	1,11,747	31,672	1,43,419	
	Godavari Left Bank Canal ...	32,084	6,907	...	...	32,084	6,907	38,991	
4	Nira Canal and Shetphal Tank combined	4,27,383	11,854	...	...	4,27,383	11,854	4,39,237	
5	Mhasvad Tank	12,616	17,821	...	8	12,616	17,813	30,429	
	Total ...	5,94,951	77,388	...	8	5,94,951	77,380	6,72,331	
	Productive Works.								
9	Háthmati and Khari Cut Canals combined	37,196	1,096	*5,018	5	32,178	1,091	33,269	* This includes Rs. 2,838 as Himayat. Remissions had to be given partly on account of the mistakes made in measuring and partly on account of the failure of the crops, owing to the deficiency of supply.
10	Lower Pánjhra River Works ...	8,323	2,764	...	...	8,323	2,764	11,087	
11	Kádva River Works. — Wághad Tank ...	...	...	...	...	...	...	...	
	Kádva River Works. — Pálkhed Canal ...	9,715	4,849	...	...	9,715	4,849	14,564	
	Kádva River Works. — Ojhar Támbat Canal	3,615	2,172	...	...	3,615	2,172	5,787	
	Kádva River Works. — Wadáli Canal ...	574	781	...	...	574	781	1,355	
12	Pravara River Works—Lákh Canal	392	240	...	...	392	240	632	
13	Mutha Canals and Mátoba Tank combined	2,12,658	4,774	...	...	2,12,658	4,774	2,17,432	
14	Ekrúk Tank	15,578	3,179	...	...	15,578	3,179	18,757	
15	Krishna Canal	65,313	3,143	...	...	65,313	3,143	68,456	
	Total ...	3,53,364	22,998	5,018	5	3,48,346	22,993	3,71,339	
	Total, Major Works ...	9,48,315	1,00,386	5,018	13	9,43,297	1,00,373	10,43,670	
	Minor Works and Navigation.								
16	Wangroli Tank	1,787	979	16	3	1,771	976	2,747	
17	Tranza-Nagramma Tanks ...	...	...	...	...	...	...	...	
18	Savli Tank	2,420	727	20	...	2,400	727	3,127	
19	Sahiat do.	...	...	...	...	...	...	...	
20	Futalao do.	...	268	...	...	...	268	268	
21	Hartála do.	144	50	...	...	144	50	194	
22	Mhasva do.	178	486	...	...	178	486	664	
23	Jámda Canals	5,504	1,644	...	...	5,504	1,644	7,148	
24	Parsul Tank	164	3,716	...	...	164	3,716	3,880	
25	Pravara River Works—Pravara Left Bank Canal	...	...	...	...	...	...	...	
26	Bhátodi Tank	116	3,113	...	...	116	3,113	3,229	Canal closed temporarily for widening and extension.
27	Kásurdi do.	152	93	...	...	152	93	245	
28	Shirsuphal do.	2,114	529	...	...	2,114	529	2,643	
29	Bhádalvádi do.	1,987	560	...	...	1,987	560	2,547	
30	Koregaon do.	481	2,032	...	...	481	2,032	2,513	
31	Ashti do.	5,689	9,844	...	...	5,689	9,844	15,533	
32	Páthri do.	191	4,545	...	...	191	4,545	4,736	
33	Revári Canal	2,871	2,807	70	20	2,801	2,787	5,588	
34	Upper Mán River Works ...	876	2,411	...	...	876	2,411	3,287	
35	Yerla River Irrigation Works ...	2,872	9,705	1	6	2,871	9,699	12,570	
36	Chikhli Canal	1,748	347	...	...	1,748	347	2,095	
37	Maini Tank	276	6,137	...	...	276	6,137	6,413	
38	Muchkundi Tank	...	...	...	...	...	...	...	
39	Gadikeri do.	...	...	...	...	...	...	...	
40	Gokák Canal, 1st Section, and Storage Works	18,896	5,714	...	...	18,896	5,714	24,610	
41	Dámbal Tank	334	64	...	...	334	64	398	
42	Medleri do.	434	65	...	...	434	65	499	
43	Madag do.	1,265	1,087	...	...	1,265	1,087	2,352	
44	Asundi do.	391	336	...	...	391	336	727	
45	Mávinkop do.	...	...	...	...	...	...	...	
46	Dharma Canal	2,201	...	...	...	2,201	...	2,201	
	Total, Minor Works ..	53,091	57,259	107	29	52,984	57,230	1,10,214	
	Grand Total ...	10,01,406	1,57,645	5,125	42	9,96,281	1,57,603	11,53,884	

STATEMENT I-F.

Statement showing water-rates per acre in force during 1916-1917 on Irrigation Works in the Bombay Presidency, excluding Sind.

No.	Names of Works.	Water-rates. Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous.	Single watering.	Occupier's rate.	Owner's rate.	Water advantage.	Remarks.
1	2.	3	4	5	6	7	8	9	10	11	12	13	14
	MAJOR WORKS.	Rs.	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.				
	Protective Works.												
1	Pravara River Works—Pravara Right Bank Canal.(a) §	...	...	.....	2 0 0	3 0 0	4 0 0	.....	1 0 0				(a) Sanctioned till an assured supply of water can be given from the Reservoir at Bhandardara. *Vide* Government Resolutions No. A.I.—1902, dated 1st September 1910, No. A. I-2290, dated 8th March 1913 and No. A.I.—10637, dated 2nd November 1917.
2	Girna Left Bank Canal.(b) §	...	14	8 0 0	3 0 0	5 0 0	6 0 0	.....	1 0 0				(b) Rates sanctioned in Government Resolutions Nos. A.I.—1431 and 1964, dated 28th June 1910 and 4th October 1911 respectively.
3	Godavari Right Bank Canal (c) §	...	15	8 0 0	3 0 0	5 0 0	7 0 0	.....	¶1 0 0 ‖2 0 0				(c) Sanctioned in Government Resolution No. A. I.—1526 of 26th July 1911. A uniform rate of Rs. 2 per acre has been sanctioned for lands let out for cultivation within the limits of the Lake Beale, *vide* G. R. No. A.I.—7280, dated 9th August 1912.
3	Godavari Left Bank Canal (cc) §	...	15	8 0 0	3 0 0	5 0 0	7 0 0	.....	¶1 0 0 ‖2 0 0				(cc) Sanctioned in Government Resolution No. 4514 of 15th May 1912.
4	Nira Canal (d)	16	A 35 B 30 † 15	8 0 0	3 0 0	5 0 0	7 0 0	.....	1 0 0 *2 0 0				¶ From 15th June to 14th February for ordinary crops.
	Shetphal Tank (d) ...	...											‖ From 15th February to 14th June for ordinary crops and for Sugarcane and Pan gardens throughout the whole year.
5	Mhasvad Tank § (e)... ...	...	13	7 0 0	3 0 0	4 0 0	6 0 0	.....	1 0 0				(d) Sanctioned in Government Resolutions No. A.I.—2213, dated 15th October 1910, and No. W. I.—1012, dated 19th May 1911.
	Productive Works.												(A) For Sugarcane. (B) For Pan-gardens.
9	Hathmati Canal (m) ...	...	10	3 0 0	1 0 0	2 0 0	6 0 6	.....	.....				* For Sugarcane and Pan gardens.
	Khari Cut (m)	...	14	7 0 0	1 0 0	5 0 0	6 0 0	.....	.....				† For Perennial crops other than Sugarcane and Pan gardens.
10	Lower Pánjhra River Works (f)	...	...	6 0 0	2 0 0	4 0 0	6 0 0	.....	1 0 0	Nil.	Nil.	Nil.	(e) These rates which were sanctioned in Government Resolution No. A.I.-235, dated 2nd February 1911 are to be in force till 15th February 1918.
11	Kádva River Works. Pálkhed Canal ... / Ojhár-Támbat Canal. / Wadáli Canal ...	...	(g) (i) 20 (ii) 14	6 0 0	2 0 0	4 0 0	6 0 0	.....	2 0 0				(m) Rates sanctioned until further orders, *vide* Government Resolution No. W.I.—1112, dated 12th July 1894.
			(y) * 26 † 13	7 0 0	2 0 0	5 0 0	6 0 0	.....	2 0 0				(f) In force for 5 years ending 31st March 1921, *vide* Government Resolution No. A.I.—7053, dated 7th July 1916.
12	Pravara River Works—Lakh Canal (h)	...	8	4 0 0	0 8 0	2 0 0	4 0 0	.....	.....				(g) Rates for leased areas to be in force till 15th February 1918 on which date the leases will expire, *vide* Government Resolution No. A.I.—4194, dated 7th April 1914
13	Mutha Canals and Matoba Tank (x) Sugarcane under the Mutha Canal within the Poona City and Suburban Municipality and Cantonment limits or within one mile of those limits.	...	50	8 0 0	3 0 0	5 0 0	7 6 0	.....	1 0 0 *2 0 0				(i) For the whole year. (ii) For crops irrigated by canal water during the monsoon and rabi seasons and by wells during the hot weather.
	Sugarcane on all remaining land commanded by both the canals.		40										(y) Rates for areas outside leased areas to be in force for 5 years ending 15th June 1919, and these rates will also apply to the leased areas on expiry of the present leases till 15th June 1919.
	Sugarcane under the Matoba Tank.		30										(h) Sanctioned in Government Resolution No. A.I.—5237, dated 7th May 1914, and will be in force till 31st March 1918 unless water from Lake Arthur Hill is available before then.
	Pán gardens		20										(x) Rates sanctioned for 10 years from 16th February 1911 to 15th February 1921, *vide* Government Resolution No. A.I—2213, dated 15th October 1910.
	Perennial crops other than Sugarcane and Pan gardens.		15										
14	Ekrúk Tank (x) § ...	...	15	8 0 0	3 0 0	5 0 0	7 0 0	.....	1 0 0				(x) In force till 15th February 1919, *vide* Government Orders No. A.I.—2415, dated 29th February 1916 and No. A.I.—6109, dated 19th June 1917.
15	Krishna Canal (n) ...	...	15† / 30*	8 0 0	3 0 0	5 0 0	7 0 0	.....	1 0 0 *2 0 0				(n) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No. A. I.—2395, dated 14th November 1910.
	MINOR WORKS AND NAVIGATION.												
16	Wangroli Tank (o) ...	...	...	6 8 0	2 8 0	4 0 0	6 0 0	For rice 4 0 0	1 8 0				(o) Rates sanctioned in Government Resolution No. A.I.—1939, dated 6th September 1910, are continued up to 15th June 1917, *vide* Government Resolution No. A. I.—10890, dated 4th October 1915.
17	Tansa-Nagramma Tanks(p)	...	...	6 0 0	2 0 0	4 0 0	6 0 0	For rice 4 0 0	1 0 0				(p) Rates sanctioned in Government Resolution No. A.I.—1128, dated 13th May 1910 are continued up to 31st July 1920, *vide* Government Resolution No. A. I.—10155 dated 14th September 1915.
18	Savali Tank (q)	...	...	8 0 0	4 0 0	4 0 0	6 0 0	.....	1 0 0				(q) Rates sanctioned in Government Resolution No. A.I.—1335, dated 14th June 1910 are continued up to 15th June 1920, *vide* Government Resolution No. A. I.—287, dated 10th January 1916.

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re 1 per 10,000 cubic feet, *vide* Government Resolutions No. A.I.—879, dated 28th January 1913 and No. A.I.-7604, dated 21st July 1916.

§ For Sugarcane and Pán gardens double the ordinary rates are charged.

STATEMENT I-F—*concluded.*

No.	Names of Works.	Water-rates. Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous.	Single watering.	Occupier's rate.	Owner's rate.	Water advantage.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	MINOR WORKS AND NAVIGATION—*concluded.*		Rs. a	Rs. a. p.	Rs. a. p.	Rs. a.	Rs. a.	Rs. a. p.	Rs. a. p.				
19	Sahiat Tank (*r*) ...	...	...	6 8 0	2 8 0	4 0	6 0	For rice 4 0 0	1 8 0				(*r*) Sanctioned in Government Resolution No. A. I.—309, dated 15th February 1911, for a period of 3 years and the same rates are continued for a further period of 5 years ending 31st March 1918 as per Government Resolution No. A.I.—6655, dated 27th June 1913.
20	Futelao Tank	No rates were sanctioned for this year.											
21	Hartála Tank (*i*)‡ ...	...	8 0	4 0 0	2 0 0	2 0	4 0	.....	1 0 0 †2 0 0				(*i*) Sanctioned for a period of 3 years ending 31st March 1919, *vide* Government Resolution No. A.I.—5180, dated 19th May 1916.
22	Mhasva Tank (*i*)‡ ...	...	8 0	4 0 0	2 0 0	2 0	4 0	.....	1 0 0 †2 0 0				‡ Sugarcane and pan gardens to be charged double the seasonal rates except that the perennial rates for these crops should be Rs. 12 on Hartala and Mhaswa tanks and Rs. 16 for Jamda canals.
23	Jámda Canals (*i*)‡ ...	...	10 0	5 0 0	2 0 0	3 0	5 0	.....	1 0 0 †2 0 0				
24	Parsul Tank (*j*) ...	...	....	7 0 0	2 0 0	5 0	8 0	.....	1 0 0				(*j*) Rates sanctioned in Government Resolution No. A.I.—1754, dated 10th August 1910, up to 14th June 1921. Water is not to be reserved for perennial Irrigation.
25	Pravara River Works—Pravara Left Bank Canal. (*k*) ...	...	...	5 0 0	2 0 0	3 0	4 0	.....	1 0 0				
26	Bhátodi Tank (*l*) ...	...	(i) 14 8	6 8 0	2 8 0	4 0	8 0	.....	1 0 0				(*k*) Sanctioned in Government Resolutions No. A.I.—1460, dated 9th June 1909, and No. A.I.—2051, dated 24th August 1909. In force until an improved supply is provided by the storage work of the Pravara River project.
27	Kásardi do. § (*d*) ...	...	...	6 8 0	2 8 0	4 0	6 0	.....	1 0 0 † 2 0 0				
28	Shirsuphal do. § (*d*) ...	...	...	6 8 0	2 8 0	4 0	6 0	.....	1 0 0 † 2 0 0				(*l*) In force till 15th October 1920, *vide* Government Resolution No. A.I.—13135, dated 28th November 1914.
29	Bhádalvádi do. §(*d*) ...	...	...	6 8 0	2 8 0	4 0	6 0	.....	1 0 0 † 2 0 0				(i) For the whole year.
30	Koregaon do. §(*e*) ...	...	13 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				(*d*) Rates sanctioned for 10 years from 16th February 1911 to 15th February 1921, *vide* Government Resolution No. A. I.—2213, dated 15th October 1910.
31	Ashti do. §(*e*) ...	...	13 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				† For Sugarcane and Pan gardens.
32	Páthri do. §(*e*) ...	...	13 0	7 0 0	3 0 0	4 0	6 0	.....	1 0 0				(*e*) In force till 15th February 1919, *vide* Government Resolutions No. A.I.—2415, dated 29th February 1916, and No. A.I.—6109, dated 19th June 1917.
33	Revári Canal (*s*) ...	...	*12 0 †24 0	6 0 0	2 0 0	4 0	6 0	.....	1 0 0 † 2 0 0				(*s*) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No. A.I.—2395 of 14th November 1910.
34	Upper Man River Works (*s*) ...	...	*12 0 †24 0	6 0 0	2 0 0	4 0	6 0	.....	1 0 0 † 2 0 0				* For Perennial crops other than Sugarcane and Pan gardens.
35	Yerla River Irrigation Works (*s*) ...	...	*12 0 †24 0	6 0 0	2 0 0	4 0	6 0	.....	1 0 0 † 2 0 0				
36	Chikhli Canal (*s*) ...	...	*12 0 †24 0	6 0	2 0 0	4 0	6 0	.....	1 0 0 † 2 0 0				(*t*) In force from 1st October 1913 as per Government Resolution No. A.I.—3685, dated 27th March 1914, for a term of 5 years. Water is allowed free of charge for non-perennial crops for the same period.
37	Maini Tank (*s*) ...	...	*12 0 †24 0	6 0 0	2 0 0	4 0	6 0	.....	1 0 0 † 2 0 0				
38	Muchkundi Tank (*t*) ...	...	8 0	4 0 0	.....	...	...	.....	.....				(*u*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—6068 of 26th May 1915.
39	Gadikeri do. ...	...	...	.....	.....	...	...	.....	.....				(i) For the whole year.
40	Gokak Canal, 1st Section, and Storage Works (*u*) ...	(i) 22 0 (ii) 16 0		8 0 0	3 0 0	5 0	15 0	.....	1 0 0				(ii) For sugarcane irrigated between 15th June and 14th February.
41	Dambal Tank (*v*) ...	...	¶14 0	*a* 5 0 0 *b* 7 0 0	*e* 3 8 0	*c* 3 8 *d* 4 0	*f* 6 0	.....	*e* 1 0 0 *g* 2 0 0				(*v*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—5425 of 8th May 1915.
42	Medleri do. (*v*) ...	...	¶14 0	*a* 5 0 0 *b* 7 0 0	*e* 3 8 0	*c* 3 8 *d* 4 0	*f* 6 0	.....	*e* 1 0 0 *g* 2 0 0				¶ For Sugarcane, Betel-leaf, Cocoanut trees, &c., &c.
43	Madag do. (*v*) ...	...	¶10 0	*a* 5 0 0 *b* 7 0 0	*e* 3 8 0	*c* 3 8 *d* 4 0	*f* 6 0	.....	*e* 1 0 0 *g* 2 0 0				*a* From 15th June to 15th February. *b* ,, 15th October to 15th June or 1st August to 31st March. *c* ,, 15th June to 15th October or 15th July to 30th November. *d* ,, 15th October to 15th February. *e* ,, 15th June to 15th October. *g* ,, 16th October to 14th June. *f* ,, 15th February to 15th June.
44	Asundi do. (*v*) ...	...	¶14 0	*a* 5 0 0 *b* 7 0 0	*e* 3 8 0	*c* 3 8 *d* 4 0	*f* 6 0	.....	*e* 1 0 0 *g* 2 0 0				
45	Mávinkop do. ...	...	...	.....	.....	...	...	.....	.....				
46	Dharma Canal (*w*) ...	...	14 0	*a* 5 0 0 *b* 7 0 0	*e* 3 8 0	*c* 3 8 *d* 4 0	*f* 6 0	.....	*e* 1 0 0 *g* 2 0 0				*w* Rates sanctioned for 5 years, *vide* Government Resolution No. A.I.—3962 of 10th April 1913.

Nil. Nil. Nil.

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re. 1 per 10,000 cubic feet, *vide* Government Resolutions No. A. I.—879, dated 28th January 1913, and No. A.I.—7694, dated 21st July 1916.

§ For Sugarcane and Pán gardens double the ordinary rates are charged.

STATEMENT G.

STATEMENT

Statement shewing Areas and Water-rate Assessments in the Bombay Presidency, fixing the Scale

No.	Names of Works.	Irrigation in Blocks.		Perennial.		8 Months.		Monsoon—4 Months.		Rabi—4 Months.	
		Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.
	Major Works.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
	Protective Works.										
1	Pravara River Works—Pravara Right Bank Canal	...	...	1,549	8,641	106	304	47	105	454	707
2	Chankapur Tank—Girna Left Bank Canal	...	...	99	2,737	57	335	9	9	1,647	2,613
3	Lake Beale	...	...	...	...	...	...	...	...	...	...
	Godavari Right Bank Canal	...	...	3,551	1,09,212	126	1,030	184	600	11,209	30,641
	Godavari Left Bank Canal	...	...	986	31,094	66	533	31	99	2,321	6,315
4	Nira Canal including Shetphal Tank.	16,800	2,76,580	3,788	1,05,159	1,115	8,920	3,366	10,098	8,956	37,475
5	Mhasvad Tank	...	...	190	3,333	1,672	18,074†	305	886	2,540	7,543
	Total ...	16,800	2,76,580	10,163	2,60,167	3,142	29,196	3,942	11,797	27,217	85,294
	Average rate ...	...	16·46	...	25·60	...	9·29	...	2·99	...	3·13
	Productive Works.										
9	Hathmati and Khari Cut Canals combined	...	...	41‡	164	5,596	37,018	14	30	380	742
10	Lower Panjhra River Works	...	...	17	100	104	626	3	12	492	1,993
11	Kadva River Works. Waghad Tank	...	...	...	...	...	...	...	...	...	...
	Kadva River Works. Palkhed Canal	...	...	276	6,457	787	4,394	6	27	693	1,410
	Kadva River Works. Ojhar Tambat Canal ...	...	...	106	2,367	353	1,928	26	174	233	510
	Kadva River Works. Wadali Canal	...	...	17	342	60	321	2	6	80	265
12	Pravara River Works—Lakh Canal... ...	...	...	55	295	7	37	...	...	232	288
13	Mutha Canals, including Matoba Tank. Within the Poona City, Suburban Municipal and Cantonment limits or within one mile of those limits	...	...	1,093	36,800	1,122	8,976	958	2,974	1,320	3,934
	Mutha Canals, including Matoba Tank. On all the remaining land commanded by both Canals ...	...	...	4,881	1,53,333						
	Mutha Canals, including Matoba Tank. 'Pan' gardens wherever situated throughout the Canals... ...	...	...	7	210						
	Mutha Canals, including Matoba Tank. All lands commanded by both canals	...	...	5,981	1,90,343						
	Mutha Canals, including Matoba Tank. Matoba Tank	...	...	468	9,675						
				6,449	2,00,018						
14	Ekruk Tank	...	...	389	11,322	151	1,213	374	1,122	242	3,179
15	Krishna Canal	2,000	59,976	541	3,844	524	3,099	...	...	251	915
	Total ...	2,000	59,976	7,891	2,24,909	8,704	57,612	1,383	4,345	3,923	13,236
	Average rate ...	...	29·98	...	28·50	...	6·61	...	3·14	...	3·37
	Minor Works and Navigation.										
16	Wangroli Tank...	...	...	...	...	...	...	451	1,787	408	979
17	Tranza-Nagramma Tanks	...	...	...	...	...	...	...	...	...	...
18	Savli Tank	...	...	...	...	...	...	605	2,420	365	727
19	Sahiat do.	...	...	...	...	...	...	...	...	...	...
20	Futelao do.	...	...	...	...	...	...	...	...	89	268
21	Hartala do.	...	...	14	138	...	...	...	...	23	46
22	Mhasva do.	...	...	7	52	5	13	...	...	334	599
23	Jamda Canals	...	...	566	5,113	65	255	5	11	625	1,609
24	Parsul Tank	...	...	14	97	3	22	1	7	706	3,074
25	Pravara River Works—Pravara Left Bank Canal	...	...	...	...	...	...	...	...	...	...
26	Bhatodi Tank...	...	...	4	48	12	84	...	...	786	3,097
27	Kasurdi do.	...	...	...	...	16	104	15	38	43	72
28	Shirsuphal do.	...	...	14	115	175	1,037	171	427	390	1,055
29	Bhadalvadi do.	...	...	...	...	176	1,144	174	435	261	821
30	Koregaon do.	...	...	1	10	88	636	2	6	340	1,861
31	Ashti do.	...	...	91	1,917	236	1,612	684	2,062	1,487	9,890
32	Pathri do.	...	...	2	33	20	127	4	38	859	4,535
33	Revari do.	89	2,412	32	269	651	2,686	...	...	85	156
34	Upper Man River Works	26	538	78	301	504	2,050	...	...	25	50
35	Yerla River Irrigation Works	164	3,120	99	626	2,095	8,451	...	...	40	91
36	Chikhli Canal	57	1,419	98	492	25	125	...	...	4	8
37	Maini Tank	34	590	212	885	1,253	4,938	...	...	...	...
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	...	...	...	...	...	...	...	...	...	...
40	Gokak Canal, 1st Section and Storage Works	205	3,949	1,206	9,500	1,617	4,894	...	...	1,126	5,547
41	Dambal Tank	4	52	...	...	102	346	...	...	...	...
42	Medleri do.	26	388	2	13	10	45	...	...	12	53
43	Madag do.	16	153	39	290	314	1,105	...	...	201	803
44	Asundi do.	30	132	49	536	66	231	...	...	7	28
45	Mavinkop do.	...	...	...	...	...	...	...	...	...	...
46	Dharma Canal	...	...	...	...	508	2,201	...	...	...	...
	Total ...	651	12,753	2,528	20,178	7,941	32,107	2,112	7,231	8,216	35,459
	Average rate ...	...	19·58	...	7·98	...	4·04	...	3·42	...	4·31
	Grand Total ...	19,451	3,49,309	20,582	5,05,254	19,787	1,18,915	7,437	23,373	39,356	133,989
	Average rate ...	...	17·95	...	24·54	...	6·01	...	3·14	...	3·40

Note.—The difference between the figures of total areas and assessments in this Statement and those in Statements I—E to IV—E is hypothetical and are arrived at on the assumption that

Note.—Under head "Rabi—4 months" the figures of areas include the acreages of wheat cultivation for which water was supplied free

G.

excluding Sind, during 1916-1917, according to the system of classification adopted in of Water-rates.

Hot Weather.		Miscella-neous.		Grand Total.		Area of wheat for which water was given free.	Loss of Revenue due to free supply of water to wheat crop during Rabi.	Remarks.
Areas.	Assess-ment.	Areas.	Assess-ment.	Areas.	Assess-ment.			
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	
118	473	4	20	2,278	10,255	244	732	
22	136	3	2,302	1,387	8,132	860	4,385	
...	...	829*	1,927	829*	1,927	...	.....	* This is the area in the basin of Lake Beale let out for cultivation.
293	1,935	...	...	15,453	1,43,418	4,291	26,455	
145	891	...	...	3,549	38,932	1,061	5,305	
63	441	140	282	34,228	4,38,946	1,431	7 395	
76	501	63	92	4,846	30,429	624	2,494	† This includes Rs. 10,142 for the difference between the amount of water rates charged according to the area actually watered and the amount to be recovered from the irrigators according to the areas sanctioned in eight months blocks appearing in their applications.
717	4,382	1,039	4,623	63,020	6,72,039	9,531	46,676	
...	6·11	...	4·45	...	10·66	.....	.....	
...	...	313	339	6,344	38,293§	.....	.....	‡ This includes 16 acres of sugar-cane for which water was given in different seasons.
1	7	...	...	(*i*) 617	(*ii*) 2,738	.....	.....	§ Rs. 5,059 in Kharif and Rs. 8 in Rabi have had to be remitted partly on account of himayat and partly owing to the deficiency of supply and mistakes made in measurements.
...	...	...	...	...	...	.....	.....	(*i*) Exclusive of 1,811 acres of *mamul* Bágáyat area on the Lower Pánjhra River Works.
65	402	58	1,874	1,885	14,564	405	1,785	(*ii*) Exclusive of Rs. 8,349 on account of enhanced water rates on old works of the Lower Pánjhra River Works.
14	34	100	774	832	5,787	133	573	
24	167	10	254	193	1,355	24	102	
2	12	...	...	296	632	125	250	
85	595	468	936	10,402	2,17,433	540	2,665	
270	1,690	3	18	1,429	18,744	.....	.....	
10	64	73	588	3,399	68,456	.....	.....	
471	3,171	1,025	4,783	25,397	3,68,002	1,227	5,375	
...	6·73	...	4·66	...	14·48	.....	.....	
...	...	...	...	859	2.766§	.....	.....	
...	...	...	...	...	...	.....	.....	
...	...	...	...	970	3,147§	.....	.....	
...	...	...	...	...	...	.....	.....	
...	...	...	...	89	268	.....	.....	
2	10	...	...	39	194	.....	.....	
...	...	...	...	346	664	.....	.....	
13	70	...	...	1,274	7,148	.....	.....	
7	62	...	618	731	3,880	127	637	
...	...	...	...	...	...	.....	.....	Canal closed temporarily for widening and extension.
...	...	...	...	802	3,229	.....	.....	
3	18	3	13	60	245	23	100	
...	...	2	9	752	2,643	100	334	
...	...	20	148	631	2,548	44	224	
...	...	...	...	431	2,518	.....	.....	
6	52	...	...	2,504	15,533	.....	.....	
...	...	...	...	885	4,736	.....	.....	
13	135	...	...	870	5,588	.....	.....	
66	348	...	...	699	3,287	.....	.....	
75	260	3	12	2,476	12,570	.....	.....	
1	3	8	48	193	2,095	.....	.....	
...	...	...	...	1,499	6,413	.....	.....	
...	...	...	...	...	...	.....	.....	
...	...	...	...	...	...	.....	.....	
78	685	6	35	4,236	24,610	.....	.....	
...	...	...	...	106	393	.....	.....	
...	...	...	...	50	499	.....	.....	
...	...	...	...	570	2,352	.....	.....	
...	...	...	...	152	727	.....	.....	
...	...	...	...	...	...	.....	.....	
...	...	...	...	508	2,201	.....	.....	
202	1,643	42	888	21,752	1,10,254	294	1,295	
...	6·27	...	21·02	...	5·06	.....	.....	
1,450	9,196	2,106	10,289	1,10,169	11,50,295	11,052	53,346	
...	6·34	...	4·88	...	10·44	.....	.....	

due to difference in treatment of fractions in some cases, and in others to the fact that the figures in this Statement are more or less certain areas are assessed at certain rates.

of charge as shown in a separate column, but the figures of assessment are the actual water rates charged for all crops except wheat.

STATEMENT

Statement showing operations of the year 1916-1917

No.	Names of Works.	Amount of Estimate, Direct and Indirect.	Capital Outlay, Direct and Indirect.		Length of		Area under Command.	
			During 1916-1917.	To end of 1916-1917.	Canal.	Distributaries.	Gross.	Irrigable at present.
1	2	3	4	5	6	7	8	9
	Major Works.	Rs.	Rs.	Rs.	Miles.	Miles.	Acres.	Acres.
	Protective Works.							
1	Pravara River Works—Pravara Right Bank Canal	76,10,826	8,34,967	67,54,458	33	13	73,763	24,656
2	Chankápur Tank—Girna Left Bank Canal	17,69,596	17,379	19,02,189	13·11	9·93	18,982	5,100
3	Lake Beale Dam ... ... / Godávári Right Bank Canal ... / Godavari Left Bank Canal ...	98,36,251	1,72,646	1,00,08,897	70½ / 48	48 / 9·46	144,310 / 88,080	33,501 / 15,310
4	Nira Canal, including Shetphal Tank	*89,49,307 / * 8,06,034	...	64,61,071	100·25 / 6·54	139	274,447	117,480
5	Mhasvad Tank	*27,84,496	...	20,96,016	66·25	43·36	129,045	24,800
	Total ...	3,17,56,510	10,24,992	2,72,22,631	337·65	262·75	728,627	220,847
	Productive Works.							
9	Háthmati and Khári Cut Canals combined	7,62,392 / 2,07,384	...	13,15,973	21 / 39	30 / 27	44,744 / 32,000	8,000 / 16,000
10	Lower Pánjhra River Works	*7,04,681	...	4,68,621	...	45	13,117	12,627
11	Kádva River Works ... Wághad Tank ... / Pálkhed Canal ... / Ojhar Támbat Canal / Wadáli Canal ...	*7,01,730 / *4,66,402 / *17,785 / *63,461	...	10,34,191	... / 11 / 4·50 / 8·62	... / 14·36 / ... / ...	... / 28,832 / 8,055 / 3,486	... / 9,837 / 2,367 / 2,433
12	Pravara River Works—Lákh Canal	*7,60,764	...	3,71,891	23	9·37	29,913	11,280
13	Mutha Canals, including Mátoba Tank.	*1,23,73,762 / 2,10,500	35,074	79,20,237	88	67 / 17	94,087 / 10,700	16,800 / 3,250
14	Ekruk Tank	21,35,580	...	13,40,386	48	1·68	17,152	16,941
15	Krishna Canal	16,60,896	1,966	9,44,442	63·87	...	28,327	12,320
	Total ...	2,00,65,337	37,040	1,33,95,741	306·99	211·41	310,413	111,855
	Total, Major Works ...	5,18,21,847	10,62,032	4,06,18,372	644·64	474·16	10,39,040	332,702
	Minor Works and Navigation.							
16	Wángroli Tank	2,48,544	2,634	2,89,065	13·79	...	5,000	3,400
17	Tránza-Nagrámma Tanks	3,12,734	...	2,80,635	7·60	...	1,500	800
18	Sávli Tank	2,49,222	...	2,55,210	8·35	1·32	4,700	3,000
19	Sahiat do.	1,86,782	...	1,84,029	9·25	0·85	4,000	2,000
20	Futalao do.	1,10,785	7,704	1,16,461	3·99	...	1,500	800
21	Hartála do.	75,040	...	73,382	...	5·50	584	415
22	Mhasva do.	1,40,015	...	1,38,956	...	7·00	4,647	1,700
23	Jámda Canals	10,88,640	...	10,41,089	39	75·00	46,288	5,000
24	Parsul Tank	2,23,612	...	2,14,995	...	4·75	3,337	1,000
25	Pravara River Works—Pravara Left Bank Canal†	3,48,211	...	3,47,550	19	21	23,724	14,763
26	Bhátodi Tank	3,78,278	...	3,79,707	4·50	5·50	15,126	12,124
27	Kásurdi do.	45,950	...	45,590	...	1·75	597	150
28	Shirsuphal do.	2,22,282	...	2,24,568	...	12·50	4,500	1,800
29	Bhádalvádi do.	2,28,724	...	2,27,422	...	9·75	3,000	2,000
30	Koregaon do.	42,049	...	39,189	3·75	...	2,394	1,050
31	Ashti do.	8,34,927	...	8,36,091	27·50	3·15	17,882	11,780
32	Páthri do.	6,72,856	...	6,42,846	4·66	3·33	5,000	2,500
33	Revári Canal	59,448	...	59,811	10·25	...	3,813	1,920
34	Upper Man River Works	4,44,531	...	4,39,286	17·50	6·50	8,443	2,080
35	Yerla River Irrigation Works... ...	7,45,314	...	7,64,870	33·33	4·00	11,234	5,480
36	Chikhli Canal	57,415	...	57,442	6·50	...	1,871	1,478
37	Maini Tank	3,90,492	...	4,87,650	9·25	7·58	4,876	4,625
38	Muchkundi do.	1,68,420	...	1,58,707	5·50	2·25	5,570	750
39	Gadikeri do.	17,531	...	16,918	...	Irrigation channels.	687	417
40	Gokák Canal, 1st Section, and Storage works	15,40,882	...	13,81,922	16·13	35·43	18,668	17,627
41	Dambal Tank	64,906	...	63,980	...	3·27	3,000	1,000
42	Medleri do.	81,705	...	81,392	...	5·64	1,916	600
43	Madag do.	2,49,407	...	1,67,598	9·00	...	2,851	1,345
44	Asundi do.	80,485	...	74,995	...	4·86	1,800	1,011
45	Máviukop do.	34,384	...	33,504	...	2·79	872	617
46	Dharma Canal	98,334	2,565	87,639	27·15	3·71	13,562	12,870
	Total, Minor Works ...	94,41,905	12,903	92,12,499	276·00	227·43	222,972	116,102
	Grand Total ...	6,12,63,752	10,74,935	4,98,30,871	920·64	701·59	1,262,012	448,804

H.

in the Bombay Presidency excluding Sind.

Rainfall.	Discharge of Canal at head, cubic feet per second.	Area Applied for.	Area Irrigated.	Amount of gross Assessment.	Realizations.	Working Expenses.	Net Revenue.	Remarks.
10	11	12	13	14	15	16	17	18
Inches.		Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	
43·44	65·41	2,780	2,278	10,994	15,425	19,543	—4,118	* Includes interest charges during construction.
24·51	32·54	2,329	1,837	8,392	12,627	17,226	—4,599	
39·96	212·78	829	829	1,95,180	2,28,111	1,40,254	87,857	† The Canal closed temporarily for widening, etc.
32·01	104·00	17,468	15,453					
32·04		4,527	3,549					
32·62	240	Information not available	34,228	4,46,909	4,94,676	1,54,665	3,40,011	
39·67	24							
37·65	25·95	6,448	4,846	33,734	42,856	17,122	25,734	
...	.....	34,381	63,020	6,95,209	7,93,695	3,48,810	4,44,885	
21·29	18	760	785	39,394	34,243	38,390	—4,147	
26·64	36	6,002	5,559					
38·61	4·32	666	617	16,496	17,947	7,187	10,760	
			§1,811					
...	.....	...	...					
40·94	20·86	2,799	1,885	25,046	31,518	16,024	15,494	
18·48	5·93	1,072	832					
28·64	5·94	283	193					
32·83	15·80	451	296	1,552	1,908	2,510	—602	
29·07	152	Information not available	10,402	4,16,124	4,27,333	1,75,793	2,51,540	
26·13	4·58							
	156·58							
45·66	24·61	1,400	1,429	81,995	73,568	12,469	61,099	
27·96	54·65	3,580	3,399	71,575	89,121	16,099	73,022	
...	.....	17,013	25,397	6,52,182	6,75,638	2,68,472	4,07,166	
			§1,811					
...	.....	51,394	88,417	13,47,391	14,69,333	6,17,282	8,52,051	
			§1,811					
32·45	Mcft. 68	686	859	6,308	4,556	8,015	—3,459	
20·87	.....	...	.....	547	542	2,855	—2,313	
26·47	Mcft. 56	562	970	3,675	2,784	8,001	—5,217	
20·41	.....	...	.....	723	1,187	7,304	—6,117	
27·87	Mcft. 11·5	241	89	421	153	1,790	—1,637	
43·23	0·23	42	39	553	691	1,171	—480	
30·12	1·61	358	346	1,634	3,099	2,465	634	
25·04	44·93	1,543	1,274	10,477	11,880	13,963	—2,083	
26·73	2·00	900	731	3,907	6,158	4,934	1,224	
43·44	.....		.....	2,406	6,162	6,857	—695	
41·46	2·42	, 900	802	7,333	8,224	3,658	4,566	
25·67	.....	Information not available.	80	287	554	625	—71	
26·21	1·29		752	3,573	4,904	2,582	2,322	
29·68	1·01		631	2,734	4,668	2,657	2,011	
40·48	0·76	400	431	2,563	3,162	922	2,240	
34·32	5·55	2,500	2,504	18,038	18,090	5,849	12,241	
47·89	1·41	800	885	4,877	5,731	2,002	3,729	
30·34	3·35	1,073	870	6,100	7,243	1,862	5,381	
27·86	4·00	1,180	699	4,333	5,384	3,067	2,317	
30·47	12·79	4,666	2,476	13,057	18,464	7,426	11,038	
29·51	5·35	438	193	3,388	3,914	782	3,132	
46·58	9·66	1,905	1,499	7,949	8,254	3,141	5,113	
36·67	.....	...	.....	171	171	143	28	
22.67	.....	...	§377	2,061	2,061	339	1,722	§ Area under consolidated assessment.
32·23	36·87	5,078	4,236	41,788	43,160	11,186	31,974	
26·20	3·26	255	106	1,961	1,931	1,273	658	
			§140					
21·94	2·41	74	50	825	771	863	—92	
28·76	7·51	568	570	2,545	1,752	1,874	—122	
23·76	3·24	190	152	1,961	1,842	1,132	710	
			§190					
58·24	.....	...	§587	2,244	2,244	2,170	74	
33·71	30·46	440	508	—2,676	—2,530	1,158	—3,688	
			§7,861					
...	.....	24,802	21,752	1,55,763	1,77,206	1,12,066	65,140	
			§9,159					
...	.....	76,196	1,10,169	15,03,154	16,46,539	7,29,348	9,17,191	
			§10,970					

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, SIND,

FOR THE YEAR 1916-17.

n 990—4·

STATEMENT

Statement of Canals in the Indus

	Major Works.			
	Begári Canals District.			
	Desert Canal.	Unhárwah.	Begári Canal.	Total.
	2	3	4	5
Source of supply of water	River Indus.	River Indus.	Wadhu Dhand *ex* River Indus.	...
Minimum discharge of water. ... C. ft. per sec.	...	...	...	...
Maximum discharge of Canal „ „	4,980	2,535	7,850	...
Average annual rainfall ... ...Inches.	2·68	1·88	4·09	...
Gross area commanded ... ...Acres.	388,985	246,970	751,680	1,387,635
Culturable area commanded ... ... „	388,985	214,056	680,521	1,283,562
Area irrigable by complete project ... „	129,660	112,025	340,260	581,945
Area irrigable at present ... ... „	129,660	112,025	340,260	581,945
Sanctioned Estimate.				
Direct charges ... ... Rs.	26,40,891	7,68,050	24,69,981	58,78,922
Indirect charges ... ... „	79,665	20,780	64,606	1,65,051
Interest during construction... ... „	25,78,154	6,78,430	39,36,162	71,92,746
Total, Estimate ... Rs.	52,98,710	14,67,260	64,70,749	1,32,36,719
Expenditure to end of 1916-1917.				
Direct charges ... ... Rs.	26,40,891	7,68,050	23,72,384	57,81,325
Indirect charges ... ... „	79,665	20,780	78,557	1,79,002
Interest during construction... ... „	25,78,154	6,78,430	39,36,162	71,92,746
Total, Expenditure ... Rs.	52,98,710	14,67,260	63,87,103	1,31,53,073
Works as now sanctioned.				
Main Canals Irrigation ... ... Miles.	96	34	80	210
Branch Canals ... ... „	171	82	114	367
Distributaries ... ... „	69	5	54	128
Of the above—				
Navigable Canals ... ... Miles.	4	...	58	62
Works completed at end of 1916-1917.				
Main Canals Irrigation ... ... Miles.	96	34	80	210
Branch Canals ... ... „	171	82	114	367
Distributaries ... ... „	69	5	54	128
Of the above—				
Navigable Canals ... ... Miles.	4	...	58	62

I-A.

Right Bank Division for 1916-1917.

	Minor Works for which Capital and Revenue Accounts are kept.			Minor Works for which only Revenue Accounts are kept.		
Shikárpur Canals District.	Ghár Canals District.		Karáchi Canals District.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.
Mahiwah.	Sukkur Canal.	Ghár Canal.	Sattah Canal.	Other Canals.	Other Canals.	Other Canals.
6	7	8	9	10	11	12
Gudu Dhand *ex* River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.
...	...	...	...	...	...	...
2,728	3,126	8,594	1,381	...	...	...
3·0	4·04	3·65	14·29	3·00	9·86	14·80
200,251	246,713	505,642	60,976	678,175	990,586	6,158,771
145,445	162,118	395,944	23,757	527,362	715,718	1,799,083
99,000	90,000	250,000	23,757	328,640	405,311	1,295,923
99,000	90,000	250,000	14,059	328,640	397,696	233,244
14,45,248	13,64,754	5,48,405	1,74,028	...	...	...
72,108	61,496	30,854	6,051	...	...	...
6,89,003	...	...	...	...	...	...
22,06,359	14,26,250	5,79,259	1,80,079	...	...	...
13,81,060	13,64,754	5,48,405	1,74,028	...	...	...
58,808	61,496	30,854	6,051	...	...	...
6,89,003	...	...	...	...	...	...
21,28,871	14,26,250	5,79,259	1,80,079	...	...	...
29	74	39	30	182	352	460
177	56	123	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	268	164
29	74	39	30	182	352	460
177	56	123	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	268	164

STATEMENT

Statement of Canals in the Indus

		Major Works.							
	Jámráo Canal District.	Nasrat Canals District.			Eastern Nára District.				
	Jámráo Canal.	*Dád Canal.	Nasrat Canal.	Total.	Nára Supply Channel.	Eastern Nára.	Mithráo Canal.	Thar Canal.	Khipro Canal.
1	2	3	4	5	6	7	8	9	10
Source of supply of water	Eastern Nára.	Indus.	Indus.	...	Indus.	Nára Supply Channel.	Eastern Nára.	Eastern Nára.	Eastern Nára.
Minimum discharge of River ... C. ft. per second.	.....	(a) 17,568	(a) 17,568	...	(a) 17,568	...	...	...	...
Maximum discharge of Canal ... „ „	2,884	4,569	2,530	...	...	...	2,900	1,400	...
Average annual rainfall ... ...Inches.	10·96	16·64	8·4	...	...	11·6	11·63	9·15	14·0
Gross area commanded ... ... Acres.	870,850	682,297	383,700	1,065,997	151,400	795,420	435,907	158,039	35,743
Culturable area commanded ... ... „	793,114	413,915	324,191	738,106	25,000	506,773	405,457	136,000	33,845
Area irrigable annually by complete project . „	300,000	156,685	104,100	260,785	23,000	90,900	143,500	50,000	8,000
Area irrigable at present ... ... „	264,371	121,285	67,200	188,485	9,000	58,400	132,000	50,000	8,000
Sanctioned Estimate.									
Direct charges ... ... Rs.	89,56,530	26,67,076	18,69,708	45,36,784	...	...	...	...	...
Indirect charges ... ... „									
Interest during construction ... ... „	55,32,929	13,99,393	9,15,407	23,14,800	...	...	...	...	...
Total, Estimate ... Rs.	1,44,89,459	40,66,469	27,85,115	68,51,584	...	...	...	...	...
Expenditure to end of 1916-1917.									
Direct charges ... ... Rs.	85,84,355	25,76,626	18,11,482	43,88,108	...	...	...	...	...
Indirect charges ... ... „	2,56,720	93,769	58,226	1,51,995	...	...	...	...	...
Interest during construction ... ... „	55,32,929	13,99,393	9,15,407	23,14,800	...	...	...	...	...
Total, Expenditure ... Rs.	1,43,74,004	40,69,788	27,85,115	68,54,903	...	...	...	...	...
Works as now sanctioned.									
Main Canals Irrigation ... ... Miles.	117	96	97	193	12	(d) 320	97	24	38
Branch Canals ... ... „	63	193	95	288	...	...	49	48	5
Distributaries ... ... „	457	(c) 158	118	276	...	31	42	2	...
Of the above—									
Navigable Canals ... ... Miles.	.....	...	...	...	12	320	92	...	...
Works completed at end of 1916-1917.									
Main Canals Irrigation ... ... Miles.	117	87	79	166	12	(d) 320	96	24	15
Branch Canals ... ... „	63	192	136	328	...	...	49	48	...
Distributaries ... ... „	457	(c) 136	69	205	...	...	41	2	...
Of the above—									
Navigable Canals ... ... Miles.	.....	...	...	...	12	320	92	...	...

* Includes figures for Ren Distributary ex Dad.
(a) Minimum discharge of Indus at Bukkur.
(b) Do. at Kotri.
(c) Includes 38 miles of Ren Distributary ex Dad.
(d) Practically a river.

I-A—*concluded.*

Left Bank Division for 1916-1917.

		Minor Works for which Capital and Revenue Accounts are kept.							Minor Works for which only Revenue Accounts are kept.		
		Hyderabad Canals District.				Fuleli Canals District.			Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.
Hiral Canal.	Total.	Alibhar Kacheri.	Great Marak.	Surfraz.	Total.	Fuleli Canal.	Hasanali Canal.	Total.	Total.	Total.	Total.
11	12	13	14	15	16	17	18	19	20	21	22
Eastern Nára.	.....	Indus.	Indus.	Indus.	...	Indus.	Indus.	...	Indus.	Indus.	Indus.
.....	.....	(a) 17,568	(a) 17,568	(a) 17,568	...	(b) 17,353	(b) 17,353	...	(a) 17,568	(a) 17,568	(b) 17,353
.....	.....	867	2,993	921	...	12,000	1,000	...	...	...	...
12·69	.....	15·42	14·70	12·75	...	14·12	12·61	...	...	13·54	13·6
55,481	1,631,990	75,500	240,000	165,000	480,500	17,03,000	144,000	1,847,000	700,000	930,000	147,800
49,928	1,157,003	51,900	238,400	139,400	429,700	1,437,500	84,000	1,521,500	300,163	827,370	95,900
15,700	331,000	18,300	58,350	40,800	117,450	450,000	30,000	480,000	111,800	215,800	35,000
20,000	277,400	18,300	58,350	40,800	117,450	450,000	20,000	470,000	86,550	215,800	33,500
.....	70,10,412	23,207 710	2,07,436 8,310	1,18,559 6,121	3,49,202 15,141	20,45,085	2,89,929 14,876	23,49,890	...	...	...
.....	99,24,336	...	...	...	...	...	...	...	...	...	...
.....	1,69,34,748	23,917	2,15,746	1,24,680	3,64,343	20,45,085	3,04,805	23,49,890	...	...	...
.....	67,79,815	23,207	2,07,436	1,18,559	3,49,202	19,24,515	2,89,929	22,14,444	...	...	...
.....	2,35,105	710	8,310	6,121	15,141	71,486	14,876	86,362	...	...	...
.....	99,24,336	...	...	...	...	...	...	...	...	...	...
.....	1,69,39,256	23,917	2,15,746	1,24,680	3,64,343	19,96,001	3,04,805	23,00,806	...	...	...
19	510	26	26	79	131	100	34	134	110	137	65
22	124	33	146	34	213	876	46	922	142	442	69
.....	75	...	...	...	...	29	14	43	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10
19	486	26	24	79	128	100	34	134	110	137	65
22	119	33	146	34	213	874	46	920	141	440	69
.....	43	...	...	...	...	22	14	36	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10

STATEMENT

Capital Account of Irrigation Works

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.									
1. Desert Canal	...	...	...	...	...	...	...	...	...
2. Upharwáh	...	...	...	...	...	...	...	...	...
3. Begári Canal	241	...	...	241	...	241	13	...	13
4. Mahiwáh	2,569	116	...	2,685	...	2,685	...	16	16
5. Eastern Nára Works	10,420	2,995	136	13,551	...	13,551	415	419	834
6. Jamráo Canal	1,72,295	39,195	2,743	2,14,233	...	2,14,233	...	5,487	5,487
7. Dád do.	10,801	4,338	302	15,441	...	15,441	...	607	607
8. Nasrat do.	—8,662	...	...	—8,662	...	—8,662	591	...	591
9. Naulákhi do.	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works	...	...	...	...	...	...	...	...	...
Total ...	1,87,664	46,644	3,181	2,37,489	...	2,37,489	1,019	6,529	7,548
MINOR WORKS AND NAVIGATION.									
11. Sukkur Canal	...	...	...	...	...	...	...	...	...
12. Ghár do.	...	...	...	...	...	...	...	...	...
13. Suttah do.	...	...	...	...	...	...	...	...	...
14. Alibhar Kacheri Canal	...	...	...	...	...	...	...	...	...
15. Márak Great do.	...	...	...	...	...	...	...	...	...
16. Sarfrazwah	...	...	...	...	...	...	...	...	...
17. Fuleli Canal	8,999	1,935	135	11,069	...	11,069	...	271	271
18. Hasanali do.	...	...	...	...	...	...	...	...	...
Total ...	8,999	1,935	135	11,069	...	11,069	...	271	271
GRAND TOTAL ...	1,96,663	48,579	3,316	2,48,558	...	2,48,558	1,019	6,800	7,819

I-B.

in Sind for and to end of 1916-1917.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	21,31,974	4,83,275	25,679	26,40,928	37	26,40,891	2,284	77,381	79,665	27,20,556
...	6,31,222	1,34,479	2,349	7,68,050	...	7,68,050	1,953	18,827	20,780	7,88,830
254	20,11,890	3,54,234	6,279	23,72,403	19	23,72,384	17,925	60,632	78,557	24,50,941
2,701	11,27,573	2,43,993	9,500	13,81,066	6	13,81,060	24,649	34,159	58,808	14,39,868
14,385	53,64,788	13,43,345	71,858	67,79,991	176	67,79,815	3,084	2,32,021	2,35,105	70,14,920
2,19,720	69,15,129	14,84,264	1,81,337 (a)4,606	85,85,336	981	85,84,355	48,924	2,07,796	2,56,720	88,41,075
16,048	21,82,413	3,74,941	19,306	25,76,660	34	25,76,626	41,278	52,491	93,769	26,70,395
—8,071	15,51,355	2,53,410	6,875	18,11,640	158	18,11,482	22,749	35,477	58,226	18,69,708
...	4,876	236	...	5,112	...	5,112	...	33	33	5,145
...	—284	.....	...	—284	...	—284	...	...	...	—284
2,45,037	2,19,20,936	46,72,177	3,23,183 (a) 4,606	2,69,20,902	1,411	2,69,19,491	1,62,846	7,18,817	8,81,663	2,78,01,154
...	11,39,526	2,11,468	13,920	13,64,914	160	13,64,754	20,466	41,030	61,496	14,26,250
...	4,46,950	98,471	2,984	5,48,405	...	5,48,405	12,536	18,318	30,854	5,79,259
...	1,40,133	31,819	2,076	1,74,028	...	1,74,028	1,597	4,454	6,051	1,80,079
...	19,636	3,548	23	23,207	...	23,207	...	710	710	23,917
...	1,70,629	35,275	1,612	2,07,516	80	2,07,436	1,409	6,901	8,310	2,15,746
...	1,03,432	15,097	30	1,18,559	...	1,18,559	3,102	3,019	6,121	1,24,680
11,340	15,76,090	3,40,040	8,889	19,25,019	504	19,24,515	14,412	57,074	71,486	19,96,001
...	2,35,342	49,286	5,301	2,89,929	...	2,89,929	7,976	6,900	14,876	3,04,805
11,340	38,31,738	7,85,004	34,835	46,51,577	744	46,50,833	61,498	1,38,406	1,99,904	48,50,737
2,56,377	2,57,52,674	54,57,181	3,58,018 (a) 4,606	3,15,72,479	2,155	3,15,70,324	2,24,344	8,57,223	10,81,567	3,26,51,891

(a) Suspense Account.

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation

Realizations under main heads of

Works.	Revenue (Actual Receipts).											Revenue Manage		
	Irrigation.											Establishment.		
	Direct.	Indirect.			Total.	Plantation.	Miscellaneous.	Total.	*Less*—Refunds of Revenue.	Gross Revenue less Refunds.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvement.	Direction.	Executive.	Civil Officers.
	Water-rates directly paid.	Share of Land Revenue.	4 per cent. on ⅞ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.	Total.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.															
1. Desert Canal ...	1,09,677	3,64,358	2,125	3,66,483	4,76,160	71	4,090	4,80,321	...	4,80,321	...	4,80,321	...	...	24,202
2. Unharwáh ...	292	1,83,487	3,015	1,86,502	1,86,794	35	1,101	1,87,930	...	1,87,930	...	1,87,930	...	...	11,061
3. Begári Canal ...	39,001	6,82,387	9,061	6,91,448	7,30,449	21	3,803	7,34,273	...	7,34,273	33,613	7,00,660	...	...	44,503
4. Mahiwáh ...	456	1,81,426	3,106	1,84,532	1,84,988	37	4,083	1,89,108	...	1,89,108	1,10,497	78,611	...	...	13,374
5. Eastern Nára Works.	3,232	6,60,458	3,720	6,64,178	6,67,410	2,198	12,895	6,82,503	...	6,82,503	3,441	6,79,059	...	...	40,020
6. Jámráo Canal ...	2,072	6,83,812	69,197	7,53,009	7,55,081	189	42,834	7,98,104	...	7,98,104	...	7,98,104	...	43,259	21,227
7. Dád do. ...	1,834	2,82,658	3,015	2,90,673	2,92,507	330	1,781	2,94,618	...	2,94,618	83,913	2,10,705	...	...	20,093
8. Nasrat do. ...	587	2,73,983	13,373	2,87,356	2,87,943	199	2,268	2,90,410	...	2,90,410	72,854	2,17,556	...	...	17,369
9. Naulákhi do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,57,151	33,12,569	1,11,612	34,24,181	35,81,332	3,080	72,855	36,57,267	...	36,57,267	3,04,321	33,52,946	...	43,259	1,91,849
MINOR WORKS AND NAVIGATION.															
11. Sukkur Canal ...	1,280	3,03,393	845	3,04,238	3,05,518	8	2,186	3,07,712	...	3,07,712	84,806	2,22,906	...	...	21,684
12. Ghár do. ...	4,147	9,64,878	7,605	9,72,483	9,76,630	50	2,996	9,79,676	...	9,79,676	1,35,512	8,44,164	...	...	63,433
13. Suttah do. ...	39	20,510	846	21,356	21,395	...	170	21,565	...	21,565	16,145	5,420	...	...	1,400
14. Alibhar Kacheri Canal ...	272	32,155	840	32,995	33,267	...	229	33,496	...	33,496	17,505	15,991	...	...	2,646
15. Marak Great Canal...	1,783	1,93,496	3,406	1,96,902	1,98,685	...	1,802	2,00,487	...	2,00,487	59,437	1,41,050	...	...	14,106
16. Sarfrazwáh ...	1,204	61,403	1,294	62,697	63,901	...	736	64,637	...	64,637	18,806	45,831	...	...	4,509
17. Fuleli Canal ...	43,825	10,32,158	14,325	10,46,483	10,90,308	210	13,613	11,04,131	...	11,04,131	2,44,549	8,59,582	...	...	74,584
18. Hasanali Canal ...	65	53,525	639	54,164	54,229	3	611	54,843	...	54,843	5,916	48,927	...	...	3,291
Total ...	52,615	26,61,518	29,800	26,91,318	27,43,933	271	22,343	27,66,547	...	27,66,547	5,82,676	21,83,871	...	...	1,85,653
GRAND TOTAL ...	2,09,766	59,74,087	1,41,412	61,15,499	63,25,265	3,351	95,198	64,23,814	...	64,23,814	8,86,997	55,36,817	...	43,259	3,77,502
Works for which only Revenue Accounts are kept ...	24,484	27,86,710	49,368	28,36,078	28,60,562	2,168	34,020	28,96,750	...	28,96,750	...	28,96,750	...	...	1,69,011

I-C.

Works in Sind for the year ended 31st March 1917.

Revenue and Working Expenses.

ment.	Working Expenses.															Net Revenue.	
	Maintenance and Repairs.										*Deduct*—Old Maintenance Charges.						
	Establishment.																
Total Revenue Management.	Direction.	Executive.	Total.	Works.	Repairs.	Sundries.	Plantations.	Tools and Plant.	Total Cost of Maintenance.	Indirect Charges.	Grand Total Working Expenses.	Direct.	Indirect.	Total.	Total Working Expenses on Improvements.	Total.	Due to Improvements.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
24,502	2,195	22,147	24,342	1,147	68,490	...	782	1,225	95,986	4,577	1,24,765	...	...	...	1,24,765	3,55,556	3,55,556
11,061	1,211	12,217	13,428	994	34,980	...	322	377	50,101	1,687	63,049	...	...	...	63,049	1,24,881	1,24,881
44,503	2,997	30,241	33,238	5,349	86,790	−699	444	1,283	1,26,411	4,003	1,75,817	8,757	2	8,759	1,67,058	5,58,456	5,33,602
13,374	2,393	1,778	4,171	3,258	62,845	...	4,932	1,061	76,270	584	90,228	21,007	273	21,280	68,948	98,680	9,663
40,020	6,948	52,308	59,256	38,979	83,416	−170	1,737	2,398	1,85,616	8,296	2,33,332	344	...	344	2,33,588	4,48,571	4,45,471
64,486	9,729	84,053	93,782	7,012	1,71,498	1,572	2,215	4,880	2,80,959	19,186	3,64,631	...	...	...	3,64,631	4,33,473	4,33,473
20,093	4,518	23,523	28,041	6,238	72,315	...	5,255	940	1,12,789	3,926	1,36,808	44,076	1,138	45,214	91,594	1,57,810	1,19,111
17,369	5,351	27,451	32,832	2,262	91,964	...	3,692	849	1,31,599	4,598	1,53,566	19,355	453	19,808	1,33,758	1,36,844	83,798
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2,35,108	35,372	2,53,718	2,89,090	65,239	6,72,397	703	19,379	13,013	10,59,731	47,957	18,42,796	93,539	1,866	95,405	12,47,391	23,14,471	21,05,565
21,654	1,627	8,533	10,160	575	47,471	...	451	130	58,795	1,497	81,976	13,256	106	13,362	68,614	2,25,736	1,54,202
63,433	4,981	26,111	31,092	7,577	1,44,643	...	1,810	397	1,85,519	5,872	2,54,824	18,680	161	18,841	2,35,983	7,24,852	6,03,181
1,400	383	3,501	3,884	...	11,309	...	...	170	15,363	544	17,307	8,993	225	9,218	8,089	4,258	−2,669
2,646	200	1,305	1,505	...	3,436	...	...	51	4,992	211	7,848	9,978	188	9,266	−1,417	25,647	17,408
14,106	1,474	9,618	11,092	145	25,262	...	...	380	36,879	1,553	52,538	22,978	427	23,405	29,133	1,47,949	1,11,917
4,509	677	4,420	5,097	674	11,263	...	...	176	17,210	875	22,594	7,651	170	7,821	14,773	42,043	31,058
74,584	12,191	52,330	64,521	48,288	1,62,230	−216	674	2,175	2,77,672	9,387	3,61,643	1,14,265	2,096	1,16,361	2,45,282	7,42,488	6,14,300
3,291	949	4,069	5,017	1,691	14,594	...	...	169	21,471	702	25,464	3,380	78	3,458	22,006	29,379	26,921
1,85,653	22,481	1,09,887	1,32,368	58,950	4,20,216	−216	2,935	3,648	6,17,901	20,641	8,24,195	1,98,281	3,451	2,01,732	6,22,463	19,42,352	15,61,408
4,20,761	57,853	3,63,605	4,21,458	1,24,189	10,92,523	487	22,314	16,661	16,77,632	68,598	21,66,991	2,91,820	5,317	2,97,137	18,69,854	42,56,823	36,66,963
1,69,011	24,799	1,16,534	1,41,333	1,50,535	4,04,484	−2,564	...	−3,917	7,79,875	...	9,48,836	...	...	...	9,48,836	19,47,864	19,47,864

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation

Number of works.	Name of works.	GENERAL FINANCIAL RESULTS TO END OF						
		Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital Outlay (direct and indirect).	Accumulated arrears of interest.
		Main canals and branches.	Distributaries.					
1	2	3	4	5	6*a*	6*b*	7	8
	MAJOR WORKS.	Miles.	Miles.	Rs.	Date.	Date.	Rs.	Rs.
	PRODUCTIVE WORKS.							
1	Desert Canal	267·00	69·00	27,20,556	1891-92	1872-73	27,20,556	.....
2	Unharwáh	116·00	5·00	7,88,830	1890-91	1885-86	7,88,830	.....
3	Begári Canal	194·00	54·00	25,34,587	1890-91	1855-56	24,50,941	.....
4	Mahiwáh	293·00	...	15,17,356	Not completed.	1901-02	14,39,868	3,96,581
5	Eastern Nára Works	574·75	...	70,10,412	1897-98	1854-55	70,14,920	...
6	Jámráo Canal	180·00	457·00	89,56,530	1901-02	1900-01	88,41,075	.....
7	Dád do.	278·78	98·17	26,67,076	1906-07	1901-02	26,70,395	5,96,181
8	Nasrat do.	214·84	69·12	18,69,708	1906-09	1903-04	18,69,708	1,67
9	Naulákhi do.	...	...	12,62,554	Not completed.	...	5,145	2,438
10	Sukkur Barrage Works	...	...	.....	Not started.		—284	—34
	Total ...	2,118·37	752·29	2,93,27,609	...	...	2,78,01,154	9,96,533
	MINOR WORKS AND NAVIGATION.							
11	Sukkur Canal	130·10	...	14,26,250	1885-86	1870-71	14,26,250	.....
12	Ghár do.	302·88	...	5,79,259	1878-79	1856-57	5,79,259	.....
13	Suttah do.	35·32	...	1,80,079	1909-10	1904-05	1,80,079	60,575
14	Alibhar Kacheri Canal	58·50	...	23,917	1875-76	1873-74	23,917	.....
15	Marak Great do.	169·95	...	2,15,746	1881-82	1873-74	2,15,746	.....
16	Surfrazwah	112·60	...	1,24,680	1875-76	1873-74	1,24,680	...
17	Fuleli Canal	996·00	...	20,45,085	1892-93	1861-62	19,96,001	.....
18	Hasanali Canal	94·00	...	3,04,805	1906-07	1903-04	3,04,805	.....
	Total ...	1,899·35	...	48,99,821	...	...	48,50,737	60,575
	GRAND TOTAL ...	4,017·72	752·29	3,42,27,430	...	...	3,26,51,891	10,57,108

II-C.

Works for, and up to the end of, 1916-17.

1916-17.		FINANCIAL RESULTS OF THE YEAR 1916-17.									
Accumulated surplus revenues.	Total sum-at-charge (column 7 + column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital Outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3·2964 per cent. on direct Capital Outlay to end of previous year, *plus* half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
9	10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Rs.	Per cent	Per cent.	Rs.	Rs.	Rs.	Acres.	%
23,49,801	27,20,556	4,80,321	1,24,765	3,55,556	13·07	13·07	87,054	2,68,502	...	226,374	25·98
20,48,739	7,88,830	1,87,930	63,049	1,24,881	15·83	15·83	25,318	99,563	...	81,255	33 55
77,41,381	24,50,941	7,00,660	1,67,058	5,33,602	21·77	21·77	78,199	4,55,403	...	302,588	23·84
...	18,36,449	78,611	68,948	9,663	0·67	0·53	45,481	...	35,818	68,944	87·71
41,60,939	70,14,920	6,79,059	2,33,588	4,45,471	6·35	6·35	2,23,267	2,22,204	...	258,260	34·40
8,69,005	88,41,075	7,98,104	3,64,631	4,33,473	4·90	4·90	2,79,444	1,54,029	...	236,557	45·69
...	32,66,576	2,10,705	91,594	1,19,111	4·46	3·65	84,681	34,430	...	121,345	43·47
...	18,71,075	2,17,556	1,33,758	83,798	4·48	4·48	59,856	23,942	...	100,779	61·48
...	7,583	...	...	...	...	...	169	...	169	...	...
...	—318	...	...	...	...	...	—9	...	—9	...	...
1,71,69,865	2,87,97,687	33,52,946	12,47,391	21,05,555	7·57	7·31	8,83,460	12,22,095		1,396,102	37·20
3,82,361	14,26,250	2,22,906	68,614	1,54,292	10·82	10·82	44,988	1,09,304	...	91,832	30·78
2,05,31,211	5,79,259	8,44,161	2,35,983	6,08,181	104·99	104·99	18,077	5,90,104	...	250,771	27·95
...	2,40,654	5,420	8,089	—2,669	...	...	5,736	...	8,405	12,223	149·24
1,89,575	23,917	15,991	—1,417	17,408	72·79	72·79	765	16,643	...	14,924	...
18,16,767	2,15,746	1,41,050	29,133	1,11,917	51·87	51·87	6,838	1,05,079	...	80,533	20·65
3,53,641	1,24,680	45,831	14,773	31,058	24·91	24·91	3,908	27,150	...	31,800	32·23
85,01,840	19,96,001	8,59,582	2,45,282	6,14,300	30·78	30·78	63,258	5,51,042	...	439,936	28·54
90,496	3,04,805	48,927	22,006	26,921	8·83	8·83	2,557	17,364	...	19,846	44·98
3,18,65,891	49,11,312	21,83,871	6,22,463	15,61,408	32·19	31·79	1,53,127	14,08,281		941,865	28·50
4,90,35,756	3,37,08,999	55,36,817	18,69,854	36,66,963	11·23	10·88	10,36,587	26,30,376		2,337,967	33·77

E. M. COOK,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1916-1917 in Sind.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (a)	Demands of year.	Total.	*Deduct*—Remissions including Cash Refunds.	Net Total.	*Deduct*—Amount unrealized at close of year.	Actual Total Receipts of year.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvements.
	1	2	3	4	5	6	7	8	9	10
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	MAJOR WORKS.									
	PRODUCTIVE WORKS.									
1	Desert Canal	5,195	4,80,753	4,85,948	834	4,85,114	4,793	4,80,321	...	4,80,321
2	Unharwáh	3,918	1,85,638	1,89,556	...	1,89,556	1,626	1,87,930	...	1,87,930
3	Begári Canal	9,230	7,38,272	7,42,502	1,402	7,41,100	6,827	7,34,273	33,613	7,00,660
4	Mahiwáh	8,838	1,88,122	1,96,960	...	1,96,960	7,852	1,89,108	1,10,497	78,611
5	Eastern Nára Works ...	3,646	6,82,932	6,86,578	...	6,86,578	4,075	6,82,503	3,444	6,79,059
6	Jámráo Canal	18,424	7,91,863	8,10,287	482	8,09,805	11,701	7,98,104	...	7,98,104
7	Dád do.	4,004	3,02,225	3,06,229	635	3,05,594	10,976	2,94,618	83,913	2,10,705
8	Nasrat do.	7,541	2,91,916	2,99,457	13	2,99,444	9,034	2,90,410	72,854	2,17,556
9	Naulákhi do. (b) ...	...	...	...	...	...	...	...	...	...
10	Sukkur Barrage Works (c).	...	...	...	...	...	...	...	...	...
	Total, Major Works ...	55,796	36,61,721	37,17,517	3,366	37,14,151	56,884	36,57,267	3,04,321	33,52,946
	MINOR WORKS AND NAVIGATION.									
11	Sukkur Canal	2,181	3,08,820	3,11,001	7	3,10,994	3,282	3,07,712	84,806	2,22,906
12	Ghár do.	—880	9,81,223	9,80,343	...	9,80,343	667	9,79,676	1,35,512	8,44,164
13	Suttah do.	—27	21,603	21,576	...	21,576	11	21,565	16,145	5,420
14	Alibhar Kacheri Canal ...	2,321	31,846	34,167	...	34,167	671	33,496	17,505	15,991
15	Marak Great do. ...	2,535	2,00,732	2,03,267	...	2,03,267	2,780	2,00,487	59,437	1,41,050
16	Surfrazwáh	7,587	65,674	73,261	5	73,256	8,619	64,637	18,806	45,831
17	Fuleli Canal	10,531	10,97,201	11,07,732	205	11,07,527	3,396	11,04,131	2,44,549	8,59,582
18	Hasanali do.	89	55,120	55,209	7	55,202	359	54,843	5,916	48,927
	Total, Minor Works and Navigation ...	24,337	27,62,219	27,86,556	224	27,86,332	19,785	27,66,547	5,82,676	21,83,871
	GRAND TOTAL ...	80,133	64,23,940	65,04,073	590	65,00,483	76,669	64,23,814	8,86,997	55,36,817

(a) Correct balances as now reported by the Revenue Officers in Canal Returns Nos. VIII-A and IX.

(b) Work under construction.

(c) Work not yet commenced as 49—Irrigation work. Exchange on expenditure in England under 49—Irrigation works adjusted during the year 1913-14.

E. M. COOK,
Accountant General, Bombay.

STATEMENT IV-C.

STATEMENT

Statement showing the Financial Results of Irrigation Works in Sind

Principal Results of Operations

	Irrigation Works.	Capital Outlay (direct and indirect) to end of year.	Revenue assessed					
			Direct Revenue.				Indirect Revenue Revenue due to opera canal	
			Occupier's rate.	Plantations.	Miscellaneous.	Total.	Share of Land Revenue.	4 per cent. on $\frac{9}{10}$ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.
	1	2	3	4	5	6	7	8
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	PRODUCTIVE WORKS.							
1	Desert Canal	27,20,556	1,09,300	71	4,090	1,13,461	3,65,167	2,125
2	Unharwáh	7,88,830	281	35	1,101	1,417	1,81,206	3,015
3	Begári Canal	24,50,941	43,320	21	3,803	47,144	6,82,067	9,061
4	Mahiwáh	14,39,868	793	37	4,083	4,913	1,80,103	3,106
5	Eastern Nára Works ...	70,14,920	4,002	2,198	12,895	19,095	6,60,117	3,720
6	Jámrao Canal	88,41,075	1,659	189	42,834	44,682	6,77,984	69,197
7	Dád do.	26,70,395	2,348	330	1,781	4,459	2,89,751	8,015
8	Nasrat do.	18,69,708	215	199	2,268	2,682	2,75,861	13,373
9	Naulákhi do.	5,145	...	...	...	...	.....	...
10	Sukkur Barrage Works ...	—284	...	...	...	...	.....	...
	Total, Major Works ...	2,78,01,154	1,61,918	3,080	72,855	2,37,853	33,12,256	1,11,612
	MINOR WORKS AND NAVIGATION.							
11	Sukkur Canal	14,26,250	1,743	8	2,186	3,937	3,04,038	845
12	Ghár do.	5,79,259	4,142	50	2,996	7,188	9,66,430	7,605
13	Suttah do.	1,80,079	77	...	170	247	20,510	846
14	Alibhar Kachéri Canal ..	23,917	607	...	229	836	30,170	840
15	Marak Great do. ...	2,15,746	2,699	...	1,802	4,501	1,92,825	3,406
16	Surfrazwah	1,24,680	1,576	...	736	2,312	62,068	1,294
17	Fuleli Canal	19,96,001	35,880	210	13,613	49,703	10,33,173	14,325
18	Hasanali Canal	3,04,805	597	3	611	1,211	53,270	639
	Total, Minor Works and Navigation ...	48,50,737	47,321	271	22,343	69,935	26,62,484	29,800
	GRAND TOTAL ...	3,26,51,891	2,09,239	3,351	95,198	3,07,788	59,74,740	1,41,412

IV-C.

for the year ended 1916-1917, based on the Assessment of the year.

for the year ended 31st March 1917.

DURING THE YEAR.					WORKING EXPENSES.			NET REVENUE OF THE YEAR.		
—Land tion of Total.	Refunds of Revenue.	Grand Total.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvements.	Total Charges, direct and indirect.	*Deduct*—Old Maintenance Charges.	Total Working Expenses on Improvements.	Total.	Due to Improvements.	Percentage on Capital Outlay to end of year (Improvements only).
9	10	11	12	13	14	15	16	17	18	19
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	%
3,67,292	...	4,80,753	...	4,80,753	1,24,765	...	1,24,765	3,55,988	3,55,988	13·09
1,84,221	...	1,85,638	...	1,85,638	63,049	...	63,049	1,22,589	1,22,589	15·54
6,91,128	...	7,38,272	33,613	7,04,659	1,75,817	8,759	1,67,058	5,62,455	5,37,601	21·93
1,83,209	...	1,88,122	1,10,497	77,625	90,228	21,280	68,948	97,894	8,677	0·60
6,63,837	...	6,82,932	3,444	6,79,488	2,33,932	344	2,33,588	4,49,000	4,45,900	6·36
7,47,181	...	7,91,863	...	7,91,863	3,64,631	...	3,64,631	4,27,232	4,27,232	4·83
2,97,766	...	3,02,225	83,913	2,18,312	1,36,808	45,214	91,594	1,65,417	1,26,718	4·75
2,89,234	...	2,91,916	72,854	2,19,062	1,53,566	19,808	1,33,758	1,38,350	85,304	4·56
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
34,23,868	...	36,61,721	3,04,321	33,57,400	13,42,796	95,405	12,47,391	23,18,925	21,10,009	7·59
3,04,883	...	3,08,820	84,806	2,24,014	81,976	13,362	68,614	2,26,844	1,55,400	10·90
9,74 035	...	9,81,223	1,35,512	8,45,711	2,54,824	18,841	2,35,983	7,26,399	6,09,728	105·26
21,356	...	21,603	16,145	5,458	17,307	9,218	8,089	4,296	—2,631	(a)
31,010	...	31,846	17,505	14,341	7,849	9,266	—1,417	23,997	15,758	65·19
1,96,231	...	2,00,732	59,437	1,41,295	52,538	23,405	29,133	1,48,194	1,12,162	51·99
63,362	...	65,674	18,806	46,868	22,594	7,821	14,773	43,080	32,095	25·74
10,47,498	...	10,97,201	2,44,549	8,52,652	3,61,643	1,16,361	2,45,282	7,35,558	6,07,370	30·43
53,909	...	55,120	5,916	49,204	25,464	3,458	22,006	29,656	27,198	8·92
26,92,284	...	27,62,219	5,82,676	21,79,543	8,24,195	2,01,732	6,22,463	19,38,024	15,57,080	32·10
61,16,152	...	64,23,940	8,86,997	55,36,943	21,66,991	2,97,137	18,69,854	42,56,949	36,67,089	11·23

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

E. M. COOK,
Accountant General, Bombay.

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNTS				
	In operation.								Under Construction.	Work not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibhar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital Outlay.																
During year... Direct ...	...	...	241	2,685	13,551	2,14,223	15,441	−8,662	...	...	2,37,480	...	...	...	...	...
During year... Indirect...	...	...	13	16	834	5,497	607	591	...	...	7,548	...	...	...	...	...
Total ...	...	...	254	2,701	14,385	2,19,720	16,048	−8,071	...	...	2,45,037	...	...	...	...	...
To end of year. Direct ...	26,40,891	7,68,050	23,72,384	13,81,060	67,79,815	85,84,355	25,76,628	18,11,482	5,112	−284	2,60,19,491	13,64,754	5,48,405	1,74,028	23,207	2,07,43
To end of year. Indirect ..	79,665	20,780	78,557	58,808	2,35,105	2,56,720	93,769	58,226	33	...	8,81,663	61,496	30,854	6,051	710	8,310
Total ...	27,20,556	7,88,830	24,50,941	14,39,868	70,14,920	88,41,075	26,70,395	18,69,708	5,145	−284	2,78,01,154	14,26,250	5,79,259	1,80,079	23,917	2,15,746
Gross Revenue.																
During year... Direct ...	1,13,838	1,428	42,825	3,114	18,325	45,095	1,135	2,329	...	...	2,29,083	3,474	7,193	151	501	3,58
During year... Indirect...	3,66,483	1,86,502	6,57,835	75,497	6,60,734	7,53,009	2,09,575	2,15,233	...	...	31,24,868	2,19,432	8,36,971	5,269	15,490	1,37,465
Total ...	4,80,321	1,87,930	7,00,660	78,611	6,79,059	7,98,104	2,10,710	2,17,556	...	...	33,52,951	2,22,906	8,44,164	5,420	15,991	1,41,059
To end of year. Direct ...	20,13,674	21,122	13,35,943	29,544	12,75,688	8,11,008	38,014	12,258	...	...	55,37,251	1,06,171	5,51,655	1,590	30,535	1,47,957
To end of year. Indirect...	65,76,542	39,53,285	1,47,65,641	9,97,443	2,02,66,680	1,07,75,466	20,86,344	22,59,205	...	...	6,16,80,632	53,03,025	2,91,58,406	1,34,667	2,88,692	29,44,113
Total ...	85,90,216	39,74,407	1,61,01,584	10,26,987	2,15,42,374	1,15,86,494	21,24,358	22,71,463	...	...	6,72,17,883	54,09,196	2,97,10,061	1,36,263	3,19,227	30,92,070

Works in Sind for, and to end of, 1916-1917.

WORKS FOR WHICH CAPITAL ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
in operation.											
Sur-frazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.	Grand Total.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District.	Total.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	11,069	...	11,069	2,48,558	...	...	...	...	...	...	...
...	271	...	271	7,819	...	...	...	...	...	...	...
...	11,340	...	11,340	2,56,377	...	...	...	...	...	...	...
13,559	19,24,515	2,89,929	46,50,833	3,15,70,324	...	...	...	...	...	...	...
6,121	71,486	14,676	1,99,904	10,81,567	...	...	...	...	...	...	...
1,24,680	19,96,001	3,04,805	48,50,737	3,26,51,891	...	...	...	...	...	...	...
1,940	57,648	486	74,978	3,03,061	13,448	18,073	14,548	1,507	12,484	612	60,672
43,891	8,01,934	48,441	21,08,893	52,33,761	5,72,154	10,82,611	5,27,653	2,54,175	3,18,472	81,013	28,36,078
45,831	8,59,582	48,927	21,83,871	55,36,822	5,85,602	11,00,684	5,42,201	2,55,682	3,30,956	81,625	28,96,750
94,286	17,44,650	8,046	26,84,896	82,22,147	...	...	...	...	...	...	...
10,50,053	1,81,06,486	4,08,618	5,74,84,060	11,91,64,692	...	...	...	...	...	...	...
11,41,339	1,98,51,136	5,06,664	6,01,68,956	12,73,86,839	...	...	...	...	...	...	...

Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.

Begá'ri Canals District.	Expenditure.	Receipts.
	Rs.	Rs.
Kashmore Rund—Repairs	44,762	...
Begári Canal—Repairs	5,383	...
Establishment ... Direction ...	2,066	...
Establishment ... Executive ...	7,677	...
Tools and Plant	89	...
Share of collection charges	4,142	...
Direct Receipts	...	3,011
Irrigation share of Land Revenue ...	...	46,5[illegible]
Four per cent. on 9/10ths of receipts from sale of occupancy rights on lands, etc.	...	3[illegible]
Total, Begári Canals District ...	64,569	49,[illegible]
Shika'rpur Canals District.		
Converting the existing 7 submerged sluices constructed over Forest Karias *ex* Masuwah into open sluices—New Works.	357	...
Constructing a sluice in the Choi Loop near mile 28 of the Sukkur Begári Bund to irrigate Mahro Mari Forest—New Works.	247	...
Constructing two sluices over head of Forest Karias *ex* Korai canal miles 19—5—305 and 20—2—158 Right Bank—New Works.	—1	...
Raising Sukkur Begari Bund mile 16—7 to 19—1 (Land compensation)—Original Works.	15	...
Bunds Rohri District. Original Works.	253	...
Bunds Rohri District. Repairs ...	812	...
Sukkur Begari Bund—Original Works.	2,,137	...
Raising and Strengthening the Right Bank of Col. Fife's channel—Original Works.	62	...
Loop to Sukkur Begári Bund mile 4—1 to 7—4 (Garanj Loop)—Repairs.	777	...
Bunds across Doras above Sukkur in connection with the training of the River Indus—Repairs.	595	...
Constructing a loop behind the Sukkur Begari Bund miles 9—13 (Bechanji Loop)—Repairs.	85,046	...
Constructing a loop behind the Sukkur Begari Bund in miles 7—2 to 13—4 (Surfu Loop)—Repairs.	520	...
Forest sluice, in mile 8—6 of Channel, No. 1-L-B—Repairs.	5	...
Bunds along the boundary of Halim Forest along channel No. 1—Repairs.	30	...
Constructing a loop to Sukkur Begari Bund miles 16—4 to 19 (1913 Loop)—Repairs.	8	...
Bunds in Shikárpur Canals District—Repairs.	32,565	...
Mahiwah Canal. Original Works.	83	...
Mahiwah Canal. Repairs ...	10,087	...
Establishment ... Direction ...	5,939	...
Establishment ... Executive ...	21,950	...
Tools and Plant	1,834	...
Share of collection charges	10,689	...
Direct Receipts	...	4,679
Irrigation share of Land Revenue ...	...	1,38,84[illegible]
Four per cent. on 9/10ths of receipts from sale of occupancy rights on lands, etc.	...	1,68[illegible]
Total Shikárpur Canals District ...	1,74,012	1,45,217
Ghar Canals District.		
Ghar Bunds—Repairs	2,763	...
Ghar Canal—Repairs	4,135	...
Sukkur Canal—Repairs	4,021	...
Establishment ... Direction ...	654	...
Establishment ... Executive ...	3,193	...
Tools and Plant	146	...
Suspense Account	1,069	...
Share of collection charges	22,159	...
Direct Receipts	...	545
Irrigation share of Land Revenue ...	...	2,22,259
Four per cent. on 9/10ths of proceeds from sale of occupancy rights on lands, etc.	...	2[illegible]
Total, Ghar Canals District ...	45,080	2,22,923
Carried over ...	2,83,661	4,18,099

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.								Under Construction.	Work not started.		Works				
	Desert Canal.	Unharwáh.	Begári Canal.	Mahíwáh.	Eastern Nárá Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage works.	Total.	Sukkur Canal.	Ghár Canal.	Sattah Canal.	Alibhar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Working Expenses.																
During year ... Direct ..	1,20,183	61,162	1,62,157	68,637	2,25,292	3,45,445	88,811	1,29,613	...	...	12,01,305	67,223	2,30,272	7,770	—1,440	28,007
During year ... Indirect..	4,577	1,887	4,901	311	8,296	19,186	2,788	4,145	...	...	46,091	1,391	5,711	319	23	1,126
Total ..	1,24,705	63,049	1,67,058	68,948	2,33,588	3,64,631	91,599	1,33,758	...	...	12,47,396	68,614	2,35,983	8,089	—1,417	29,133
To end of year. Direct ..	35,83,765	12,25,796	53,04,187	7,28,576	72,23,473	49,04,021	12,90,967	13,55,608	...	...	2,55,86,393	25,43,534	31,19,654	1,71,574	87,212	9,19,504
To end of year. Indirect ..	78,496	21,442	1,19,854	5,989	2,33,626	3,80,539	39,179	31,815	...	...	8,91,940	72,383	2,02,374	1,400	3,470	28,639
Total ...	36,62,261	12,47,238	54,24,041	7,34,565	74,57,099	53,84,560	13,21,146	13,57,423	...	...	2,64,78,333	26,15,917	33,22,028	1,72,974	90,682	9,48,143
Net Revenue.																
During year ...	3,55,556	1,24,881	5,83,602	9,663	4,45,471	4,33,473	1,19,111	83,798	...	...	21,05,555	1,54,202	6,08,181	—2,669	17,408	1,11,917
To end of year ..	49,27,955	27,37,169	1,06,77,543	2,02,422	1,40,85,275	64,01,934	8,03,212	9,44,040	...	...	4,05,29,550	27,93,279	2,13,88,033	13,289	2,38,545	21,43,927

Works in Sind for, and to end of, 1916-1917—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
in operation.											
Sur-frazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.	Grand Total.	Shikár-pur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District	Total.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
14,068	2,37,991	21,382	6,05,273	18,06,578	1,68,743	3,40,209	1,91,633	87,560	1,18,899	40,842	9,48,886
705	7,291	624	47,190	63,281	...	...	...	...	...	...	...
14,773	2,45,282	22,006	6,52,463	18,69,859	1,68,743	3,40,209	1,91,633	87,560	1,18,899	40,842	9,48,886
5,69,750	84,19,355	2,75,145	2,10,55,72	1,63,42,421	...	...	...	...	...	...	...
19,137	2,55,472	8,491	5,91,366	13,93,306	...	...	...	...	...	...	...
5,88,887	86,74,837	2,83,636	2,16,47,004	1,80,35,427	...	...	...	...	...	...	...
31,063	6,14,330	25,021	15,61,408	36,66,063	4,15,859	7,60,475	3,50,508	1,68,122	2,12,057	40,782	19,47,804
5,55,452	1,11,76,309	2,23,028	3,85,21,862	7,93,51,412	...	...	...	...	...	...	...

Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.	Expend-iture.	Re-ceipts.
	Rs.	Rs.
Brought over ...	2,63,661	1,18,
WESTERN NARA DISTRICT.		
Extensions of Western Nara Bunds from Phitawah head to Schwan—Original Works.	1,03,414	...
Extensions of Western Nara Bunds from its Nos. 69—1 to 80—0—Original Works.	359	...
Strengthening the existing banks of Karias Doso and Dengan—Original Works.	300	...
Nara Bunds—Repairs...	20,750	...
Manjhand Bund—Repairs	2,834	...
Establishment { Direction ...	5,736	...
Establishment { Executive ...	21,068	...
Tools and Plant	1,912	...
Share of collection charges	803	...
Direct Receipts	...	1,139
Irrigation share of Land Revenue...	...	13,378
Four per cent. on 9/10ths of proceeds from sale of occupancy rights on lands, etc.	...	20
Total, Western Nara District ...	1,57,776	14,537
KARÁCHI CANALS DISTRICT.		
Constructing Inspection bungalow, Class 1, at Gulchi—Original Works.	1,118	...
Payment of arrears in connection with raising Sonda Hilaya Bund—Original Works.	8	...
Constructing a sluice in mile 17—1 of the Mulchand Shahbunder Bund—Original Works.	2,016	...
Sukkur Barrage Project—Original Works.	1,945	...
Constructing a landhi for a Sub-overseer and Daroga and out-houses at Sattah head mile 62—2 of the Mulchand Shahbunder Bund (Gangri to Kauto)—Original Works.	1,075	...
Constructing a sluice in mile 1—3 of Mulchand Shahbunder Bund—Original Works.	513	...
Constructing out-houses to Public Works Inspection Bunglow H, at Unit 62—2 of the Mulchand Shahbunder Bund (Gangri to Khanto)—Original Works.	1,430	...
Extension of Shrikhan Bund—Original Works.	2,005	...
Constructing a sluice at mile 7—2 of Panah Baghar Bund—Original Works.	1	...
Bunds Right Bank ... Repairs ...	27,527	...
Bunds Left Bank ... Do. ...	59,116	...
New Loop behind mile No. 31—2 to 32—4 of Mulchand Shahbunder Bund—Repairs.	5,534	...
New Loop behind mile No. 9 to 10—3 of Kokawari Bund—Repairs.	6,063	...
Land taken up for the Upakhi Loop behind No. 54 to 59—4 of the Mulchand Shahbunder Bund.	650	...
Sattah Canal ... { Original Works ...	1,094	...
Sattah Canal ... { Repairs ...	4,267	...
Establishment { Direction ...	4,678	...
Establishment { Executive ...	25,177	...
Tools and plant	2,515	...
Suspense Account	1,720	...
Share of collection charges	2,505	...
Direct Receipts	...	1,693
Irrigation share of Land Revenue ...	...	39,082
Four per cent. on 9/10ths of proceeds from sale of occupancy rights on lands, etc.	...	513
Total, Karáchi Canals District ...	1,46,087	41,293
Carried over ...	5,88,351	4,73,029

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNTS				
	In operation.								Under construction.	Work not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrar Canal.	Naulakhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibhar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Simple Interest.																
During year ...	87,054	25,318	78,199	45,491	2,23,267	2,79,444	84,681	59,856	169	—9	8,83,469	...	...	...	...	...
To end of year ...	25,78,151	6,78,480	29,36,162	6,89,093	99,24,336	55,32,120	13,08,393	9,15,497	2,438	—34	2,46,26,218	...	...	...	...	...

Works in Sind for, and to end of, 1916-1917—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.		
in operation.														
Sur-fazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.		Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District.	Total.		Expend-iture.	Re-ceipts.
												Brought over ...	Rs. 5,88,394	Rs. 4,73,921
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	KARÁCHI BUILDINGS DISTRICT.		
												Making surveys on the Indus—Original Works.	22,200	...
												Central Passage of the River Indus—Surveying and demarcating—Original Works	577	...
												Demarcating part of the Residency Compound at Sukkur—Original Works.	275	...
												Maintenance of steamer, gauges and snagging the Indus—Repairs.	11,315	...
												Store-room at Sukkur—Repairs ...	67	...
...	...	...	...	...	...	...	...	...	...	...	...	Buildings and works in connection with the gauge at Kotri—Repairs .	410	...
												River gauge at Sukkur—Repairs ..	174	...
												Beacons at Scor, Kajur, Dabha, Mull, etc., Repairs.	110	...
												Establishment ... Direction ...	650	...
												Establishment ... Executive ...	92,567	...
												Tools and Plant	1,75,750	...
												Share of collection charges	...	...
												Direct Receipts	...	489
												Irrigation share of Land Revenue ...	...	...
												Four per cent. on 9/10ths of proceeds from sale of occupancy rights on lands, etc.	...	...
												Total, Karáchi Buildings District...	47,403	468
												NASRAT CANALS DISTRICT.		
												Flooring the Kitchen attached to Public Works Inspection Bungalow, Class I, at Daulatpur—Original Works.	16	...
												Canal chowki furniture for Bungalow in the Nasrat Canals District—Original Works.	221	...
												Providing fences of babul wood branches round the bench marks of Rohri-Hyderabad Canals, etc., Repairs.	432	...
												Riverain survey marks, upper class sub-division—Repairs.	16	...
												Canal Chowki at Dawlatpur—Repairs.	550	...
												Bunds in Nasrat Canals District—Repairs.	4,864	...
												Pad Canal ... Original Works .	4,603	...
												Pad Canal ... Repairs	23,211	...
...	...	...	...	...	...	...	...	...	...	...	...	Nasrat Canal ... Original Works .	196	...
												Nasrat Canal ... Repairs	10,700	...
												Establishment ... Direction ...	2,207	...
												Establishment ... Executive ...	10,350	...
												Tools and Plant	304	...
												Suspense Account	142	...
												Share of collection charges	13,115	...
												Direct Receipts	...	3,552
												Irrigation share of Land Revenue ...	...	1,52,225
												Four per cent. on 9/10ths proceeds from sale of occupancy rights on lands, etc.	..	993
												Total, Nasrat Canals District ..	470,648	1,56,773
												Carried over ...	6,11,633	6,31,190

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNT				
	In operation.								Under construction.	Work not started.	Total.	Wor				
	Deser Canal.	Unharwáh	Begári Canal.	Makiwáh.	Eastern Nára Works.	Jámrão Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage Works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibhar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Net profit after paying off Interest																
During year ...	2,68,502	99,533	4,55,403	−35,818	2,22,204	1,54,029	34,430	23,942	−169	0	12,22,095	...	...	...	...	...
To end of year ...	23,49,801	20,49,739	77,41,381	−3,96,581	41, 0,039	8,69,005	−5,96,181	−1,367	−2,438	34	1,61,73,332	...	...	...	...	...

Works in Sind for, and to end of, 1916-1917—concluded.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
in operation.			Total.		Shikárpur Canals District.	Western Nara District.	Kotáchi Canals District.	Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.	Total.
Surfrazwáh.	Fuleli Canal.	Hasanali Canal.									
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	...	...	...	...	...	...	...

Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.	Expenditure.	Receipts.
	Rs.	Rs.
Brought over ...	6,11,633	6,31,190
HYDERABAD CANALS DISTRICT.		
Renwah Bunds—Repairs	2,380	...
Alibhar Kacheri Canal—Repairs ...	5,988	...
Marak Great Canal—Repairs ...	13,987	...
Sarfrazwah—Repairs	4,557	...
Establishment { Direction ...	1,028	...
Establishment { Executive	5,680	...
Tools and Plant	35	...
Share of collection charges	9,575	...
Direct Receipts	...	5
Irrigation share of Land Revenue ...	...	25,748
Four per cent. on 9/10ths proceeds from sale of occupancy rights on lands, etc.	...	...
Total, Hyderabad Canals District...	42,630	25,757
FULELI CANALS DISTRICT.		
Constructing a pucca wall in the berm of the Nurwah for providing a water supply to the Inspector's Bungalow at Mulla Katiar—Original Works.	490	...
Constructing a bund between Dhadko and Mulchand Canals—Original Works.	4,204	...
Constructing a sluice and a supply channel at mile No. 14 of the Hajipur Bund—Original Works.	802	...
Acquisition of land for Katiari Loop—Repairs.	957	...
River Bunds—Repairs ...	23,660	...
Fuleli Canal—Repairs	74,342	...
Hasanali Canal. { Original Works ...	817	...
Hasanali Canal. { Repairs	1,583	...
Establishment { Direction ...	5,071	...
Establishment { Executive	16,471	...
Tools and Plant	423	...
Share of collection charges	24,872	...
Direct Receipts	...	263
Irrigation share of Land Revenue ...	...	2,50,250
Four per cent. on 9/10ths proceeds from sale of occupancy rights on lands, etc.	...	22
Total, Fuleli Canal District ...	1,54,102	2,50,535
EASTERN NÁRA DISTRICT.		
Share of collection charges	344	...
Direct Receipts	...	...
Irrigation share of Land Revenue ...	...	3,444
Four per cent. on 9/10ths of receipts from sale of occupancy rights on lands, etc.	...	...
Total, Eastern Nára District ...	344	3,444
Grand Total ...	8,08,799	9,80,926

E. M. COOK,
Accountant General, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works

Name of Canal.		Area Irrigated in acres.			Net area irrigated after deducting area in which remissions were granted.			Number of days the canal was in flow.	
		Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.	Kharif.	Rabi.
1		2	3	4	5	6	7	8	9
		Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Days.	Days.
MAJOR WORKS.									
Productive Works.								*Indus Right*	
Shikárpur Canals District.	Máhiwáh	46,475	27,959	74,434	46,422	27,645	74,067	97	
Begári Canals District.	Desert Canal	125,695	114,652	240,347	110,996	107,255	218,251	218	
	Unhárwáh	56,256	28,985	85,241	49,652	27,124	76,776	153	
	Begári Canal	227,595	133,860	361,455	223,898	130,540	354,438	202	
MINOR WORKS.									
Works for which Capital and Revenue Accounts are kept.									
Ghár Canals District.	Sukkur Canal ...	74,510	51,750	126,260	74,411	51,216	125,627	114 |	46
	Ghár Canal	216,591	139,721	356,312	215,884	139,628	354,912	161	
Karáchi Canals District.	Sattah Canal	11,856	563	12,419	10,562	529	11,091	107	
Works for which only Revenue Accounts are kept.									
Shikárpur District.	Canals in Rohri... ...	45,038	20,495	65,533	44,956	20,467	65,423	122	
	Canals Sind Canal	67,705	25,313	93,018	67,681	25,313	92,994	117	
	Rajib Canal	6,981	5,401	12,382	6,981	5,393	12,374	115	
	Chitti Canal	6,332	5,882	12,214	6,332	5,850	12,182	89	
	Garang Canal	3,741	4,040	7,781	3,737	4,040	7,777	97	
Western Nára District.	Western Nára including Nára, Feeder and Pritchard.	237,304	139,251	376,555	199,078	137,586	336,664	142	
	Marvi	3,626	1,848	5,474	3,565	1,843	5,408	107	
	Dadu Canal	8,251	9,164	17,415	8,151	9,134	17,285	125	
	Phitta Canal	4,713	2,710	7,423	4,202	2,453	6,655	118	
	Chario Wahur (Aral) including Manchar.	7,420	23,618	31,038	1,383	22,318	23,701	Complete	
	Canals north of Kotri ...	9,086	6,450	15,536	7,215	6,387	13,602	100	
	Wahurwáh	2,437	1,397	3,834	2,437	1,397	3,834	98	
Karáchi Canals District.	Baghar	36,614	8,242	44,856	34,923	8,162	43,085	107	
	Pinyári	94,334	4,953	99,287	90,249	4,583	94,832	107	
	Kalri	18,397	2,911	21,308	16,427	2,907	19,334	107	
MAJOR WORKS.									
Productive Works.								*Indus Left*	
Jámráo Canal District.	Jámráo Canal	163,477	75,949	239,426	162,831	73,249	236,080	169 |	165
Nasrat Canals District.	Dád Canal¶	105,375	19,794	125,169	102,214	19,452	121,666	104	
	Nasrat Canal	94,885	6,595	101,480	91,005	6,470	97,475	99	
Eastern Nára District.	Mithráo Canal	104,052	23,337	127,389	103,753	23,098	126,851	198 |	164
	Thar Canal	54,259	3,465	57,724	53,667	3,465	57,132	193	
	Hiral Canal	13,905	3,748	17,653	13,794	3,678	17,472	179 |	123
	Khipro Canal	4,179	413	4,592	4,179	413	4,592	111	
MINOR WORKS.									
Works for which Capital and Revenue Accounts are kept.									
Hyderabad District.	Canals Alibhár Kacheri ...	12,861	3,347	16,208	12,668	3,347	16,015	113	
	Canals Great Márak	71,424	13,897	85,321	70,569	13,817	84,326	121	
	Canals Sarfraz	28,994	2,966	31,960	28,094	2,939	31,933	107	
Fuleli Canals District.	Fuleli Canal	390,153	54,668	444,821	387,401	54,451	441,852	183 |	182
	Hasanali Canal ...	19,586	417	20,003	19,586	417	20,003	157	
Works for which only Revenue Accounts are kept.									
Nasrat Canals District.	Mehrabwáh	11,886	1,316	13,202	11,830	1,309	13,139	93	
	Naulakhi	46,996	4,977	51,973	46,996	4,977	51,973	99	
	Dambro	14,251	2,242	16,493	14,229	2,242	16,471	111	

I-E.

in Sind during the year 1916-1917.

Average Discharge in cubic feet per second.				Area irrigated per cubic foot per second.				Δ = depth of water used on area irrigated.		Remarks
At Head.		Utilized.		At Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
10	11	12	13	14	15	16	17	18	19	20
C. ft.	C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Feet.	Feet.	
Bank Division.										
1,992		1,992		37		37		5·2		
2,167		2,167		101		101		4·3		
1,244		1,244		62		62		4·9		
3,295		3,295		108		108		3·7		
2,163	621	2,163	621	34	82	34	82	6·7	1·1	
3,572		3,572		99		99		3·3		
1,079		1,079		10		10		21·4*		* Very Low "Duty" and high Δ due to Zamindars not taking full advantage of available supply in the upper reaches and to overwatering of crops. The late rise of the river accounted for the loss of early sown rice seedlings.
1,454		1,454		45		45		5·4		
2,112		2,112		44		44		5·3		
219		219		57		57		4·0		
242		242		50		50		3·6		
224		224		35		35		5·5		
5,006		5,006		67		67		4·2		
140		140		39		39		5·5		
300		300		57		57		4·4		
372		372		18		18		13·1		
discharges are		not available as		the tract was		flooded.				
373		373		36		36		5·5		
22		22		174		174		1·1		
7,596		Not known		6		...		35·7†		† A very low duty and excessvie Δ due to large quantity of water running to waste into sea.
2,931		2,931		32		32		6·7		
878		878		22		22		9·7		
Bank Division.										
2,132	1,239	2,132	1,239	76	59	76	59	4·4	5·6‡	‡ During the rabi season 88,493 acres of cotton, a kharif crop, were also watered for a few months.
2,845		2,745§		43		44		4·7		§ An average discharge of 100 cusecs was wasted at the tails of Dad and the Yarowah.
1,873		1,873		52		52		3·8		¶ Includes also area irrigated on Ren Distributary *ex* Dad in the Hyderabad Canals District.
1,635	501	1,635	501	63	46	63	46	6·3	7·1	
1,104		1,104		52		52		7·4		
154	105	154	105	90	35	70	35	4·0	7·0	
109		109		42		42		5·3		
463		463		35		35		6·5		
1,454		1,454		58		58		4·3		
549		549		58		58		3·7		
6,402	1,598	6,068	1,222	61	34	64	45	5·7	8·1	
565		565		35		35		9·0		
245		245		54		54		3·4		
1,599		1,599		33		33		6·0		
288		288		57		57		3·9		

STATEMENT II-E.

Statement showing Incidence of Working Expenses on Assessed Revenue on Canals in Sind during the year 1916-1917.

Name of Canal.	Average discharge of the year at Canal Head in cubic feet per second.	Water-rate assessed during 1916-1917.					Gross Assessed Revenue from all sources.	Working Expenses, Direct and Indirect.	Area irrigated during the year.	Working Expenses.			90 per cent. of Net Consolidated Assessment.		Total Water-Rate, Direct and Indirect.	
		Occupiers.	Owners.	Total, Direct.	Indirect.	Total, Direct and Indirect.				Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Canal discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.
1	2	3	4	5	6	7	8	9	10*	11	12	13	14	15	16	17
Major Works.	C. ft.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.							
Productive Works.																
Shikárpur Canals District. Mahiwáh ...	1,992	793	...	793	1,83,209	1,84,002	1,88,122	90,228	68,944	47·96	1·31	45·30	2·69	90·01	2·67	92·34
Begári Canals District. Desert Canal ...	2,167	1,09,301	...	1,09,301	3,67,292	4,76,593	4,80,754	1,24,765	226,461	25·95	0·55	57·57	2·32	168·51	2·10	219·93
Unharwáh ...	1,244	281	...	281	1,84,221	1,84,502	1,85,638	63,049	81,273	33·96	0·78	50·68	2·23	145·66	2·27	148·31
Begári Canal ...	3,295	43,320	...	43,320	6,91,128	7,34,448	7,38,272	1,75,817	302,314	23·81	0·58	53·36	2·69	207·00	2·43	222·93
Jámráo Canal District. Jámráo Canal ...	1,685	1,659	...	1,659	7,47,181	7,48,840	7,91,863	3,64,631	236,557	46·05	1·54	216·40	2·91	402·36	3·17	444·42
Nasrat Canals District. Dad Canal ...	2,845	2,348	...	2,348	2,97,766	3,00,114	3,02,225	1,36,808	121,345	45·27	1·13	48·39	2·51	101·84	2·47	105·49
Nasrat Canal ...	1,873	215	...	215	2,89,234	2,89,449	2,91,016	1,53,566	100,779	52·61	1·52	81·99	2·75	147·28	2·87	154·53
Eastern Nára District. Mithrao Canal...	1,121	730	...	730	3,44,146	3,44,876	3,51,372	1,10,761	126,222	31·52	0·88	98·82	2·75	306·66	2·73	307·00
Thar Canal ...	1,101	1,607	...	1,607	1,65,766	1,67,373	1,69,478	29,488	56,308	17·40	0·52	26·71	3·09	149·88	2·97	151·61
Eastern Nára ...	...	1,665	...	1,665	97,726	99,391	1,05,236	75,805	58,439	71·56	1·29	...	1·77	...	1·70	...
Hiral Canal ...	109	...	...	...	56,199	56,199	56,846	18,383	17,291	32·34	1·03	168·65	3·11	493·03	3·25	515·59
Total Major Works ...	...	1,61,919	...	1,61,919	34,23,868	35,85,787	36,61,722	13,42,796	1,395,933	36·67	0·96	...	2·58	...	2·57	...
Minor Works.																
Works for which Capital and Revenue Accounts are kept.			*													
Ghár Canals District... Sukkur Canal ...	2,784	1,743	...	1,743	3,04,883	3,06,626	3,08,820	81,976	91,853	26·54	0·89	29·45	3·40	109·21	3·33	110·14
Ghár Canal ...	3,572	4,141	...	4,141	9,74,035	9,78,176	9,81,222	2,54,824	250,793	25·97	1·02	63·17	4·01	270·57	3·90	273·85
Karáchi Canals District. Sattah Canal ...	1,079	77	...	77	21,356	21,433	21,603	17,307	12,223	80·11	0·80	16·04	1·71	19·01	1·75	19·86
Hyderabad Canals District. Alibhar Kacheri	463	607	...	607	31,010	31,617	31,846	7,849	14,924	24·65	0·53	16·95	2·29	65·16	2·12	68·29
Great Márak ...	1,544	2,699	...	2,699	1,96,231	1,98,930	2,00,732	52,538	80,533	26·17	0·65	36·13	2·66	132·62	2·47	136·82
Sarfraz ...	549	1,576	...	1,576	63,362	64,938	65,674	22,594	31,800	34·40	0·71	41·15	2·21	113·06	2·04	118·28
Fuleli Canals District. Fuleli Canal ...	3,781	35,880	...	35,880	10,47,498	10,83,378	10,97,201	3,61,643	439,936	32·96	0·82	95·65	2·82	273·25	2·46	286·53
Hasanali Canal ...	565	597	...	597	53,909	54,506	55,120	25,464	19,846	46·20	1·28	45·07	2·88	94·28	2·75	96·47
Total Minor Works ...	...	47,320	...	47,320	26,92,284	27,39,604	27,62,218	8,24,195	941,908	29·84	0·88	...	3·13	...	2·91	...
Grand Total ...	...	2,09,239	...	2,09,239	61,16,152	63,25,391	64,23,940	21,66,991	2,337,841	33·73	0·93	...	2·85	...	2·71	...

* *Note.*—The figures of area given in this column are exclusive of Dubari cultivation.

STATEMENT III-E.

STATEMENT III-E.

Statement of Quantity and Value of Crops irrigated in Sind during the year 1916-1917.

Description of Crops.	Begári Canals District.								
	Desert Canal.			Unhárwah.			Begári Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
	2	3	4	5	6	7	8	9	10
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	22,158	7,41,474	33	2,580	82,863	32	76,214	23,05,104	30
Kharif ... Jowári ...	52,992	17,56,265	33	11,517	2,81,535	25	108,325	27,55,337	25
Kharif ... Bájri ...	46,982	9,78,999	21	40,091	7,81,484	19	34,804	6,28,411	18
Kharif ... Cotton ...	155	11,618	75	25	1,200	48	29	1,711	59
Kharif ... Other crops ...	3,408	76,856	23	2,043	40,326	20	8,223	2,17,820	21
Kharif ... Total ...	125,695	35,65,212	28	56,256	11,87,408	21	227,595	59,08,383	26
Rabi ... Wheat ...	41,766	16,06,811	38	12,569	4,88,042	38	18,219	6,66,895	37
Rabi ... Barley ...	19	500	26	3	76	25	18	491	27
Rabi ... Oil-seeds ...	32,126	9,51,674	30	2,725	71,946	26	33,627	9,07,690	27
Rabi ... Other crops ...	40,741	6,83,403	17	13,688	2,58,781	19	81,996	14,45,736	18
Rabi ... Total ...	114,652	32,42,388	28	28,985	8,18,845	28	133,860	30,20,812	23
Total under both Heads ...	240,347	68,07,600	28	85,241	20,06,253	24	361,455	89,29,195	25

Description of Crops.	Begári Canals District—*concluded.*						Shikárpur Canals District.		
	Canals from Káshmor Bund.			Total.			Mahiwáh.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	11	12	13	14	15	16	17	18	19
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	216	6,440	30	101,168	31,35,881	31	7,620	2,16,615	28
Kharif ... Jowári ...	1,305	32,126	25	174,139	48,25,263	23	27,382	5,53,876	70
Kharif ... Bájri ...	2,681	56,176	21	124,558	24,45,070	19	10,290	1,97,716	29
Kharif ... Cotton ...	4	283	71	213	14,812	70	96	3,207	13
Kharif ... Other crops ...	167	1,825	11	13,841	3,36,827	24	1,087	28,817	23
Kharif ... Total ...	4,373	96,850	22	413,919	1,07,57,853	26	46,475	10,00,231	22
Rabi ... Wheat ...	1,705	61,918	36	74,259	28,23,666	37	21,618	6,01,269	28
Rabi ... Barley ...	10	253	25	50	1,320	26	88	1,760	20
Rabi ... Oil-seeds ...	116	2,240	19	68,594	19,33,550	28	1,501	22,219	15
Rabi ... Other crops ...	253	3,780	15	136,678	23,91,700	17	4,752	30,299	6
Rabi ... Total ...	2,084	68,191	33	279,581	71,50,236	26	27,959	6,55,547	23
Total under both Heads ...	6,457	1,65,041	26	693,500	1,79,08,089	26	74,434	16,55,778	22

STATEMENT III-E—*continued.*

Description of Crops.		Shikárpur Canals District—*continued.*								
		Canals in Rohri.			Sind Canal.			Rajib Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		20	21	22	23	24	25	26	27	28
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	7,516	1,94,063	26	32,647	8,01,069	25	4,097	1,66,567	33
	Jowári ...	32,294	6,66,653	21	28,847	5,51,890	19	1,801	40,523	23
	Bájri ...	2,475	47,410	19	2,482	43,573	18	...	...	...
	Cotton ...	309	7,345	24	78	1,864	24	...	...	...
	Other crops ...	2,444	83,840	34	3,651	89,805	25	183	6,177	34
	Total ...	45,038	9,99,311	22	67,705	14,88,201	20	6,981	2,13,267	31
Rabi ...	Wheat ...	16,567	3,93,979	24	7,337	1,66,686	23	1,486	44,580	30
	Barley ...	52	1,170	23	4	60	15	...	...	...
	Oil-seeds ...	838	7,699	9	2,229	38,455	17	451	6,314	14
	Other crops ...	3,038	61,668	20	15,743	2,90,384	18	3,464	69,280	20
	Total ...	20,495	4,64,516	23	25,313	4,95,585	20	5,401	1,20,174	22
Total under both Heads ...		65,533	14,63,827	22	93,018	19,83,786	21	12,382	3,33,441	27

Description of Crops.		Shikárpur Canals District—*continued.*								
		Chitti Canal.			Garang Canal.			Bunds in Rohri.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre
1		29	30	31	32	33	34	35	36	37
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	4,097	1,36,567	33	1,308	43,600	33	2	53	27
	Jowári ...	1,861	41,873	23	2,140	48,150	23	34	850	25
	Bájri ...	20	450	23	47	1,058	23	3	75	25
	Cotton ...	...	...	...	...	...	...	...	...	...
	Other crops ...	354	11,948	34	246	8,308	34	...	...	...
	Total ...	6,332	1,90,838	30	3,741	1,01,116	27	39	978	25
Rabi ...	Wheat ...	1,172	35,160	30	1,649	49,470	30	161	4,000	25
	Barley ...	1	30	30	...	...	...	...	...	...
	Oil-seeds ...	628	8,742	14	137	1,918	14	26	175	7
	Other crops ...	4,081	91,823	22	2,254	45,080	20	1	20	20
	Total ...	5,882	1,35,755	23	4,040	96,468	24	188	4,195	22
Total under both Heads ...		12,214	3,26,593	27	7,781	1,97,584	25	227	5,173	23

STATEMENT III-E—*continued.*

Description of Crops.	Shikárpur Canals District—*concluded.*								
	Sukkur Begári Bund.			Kásimpur Bund.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
	38	39	40	41	42	43	44	45	46
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	2,039	67,833	33	...	...	...	60,226	16,26,367	27
Kharif ... Jowári ...	2,461	54,300	22	812	16,240	20	97,632	19,74,355	20
Kharif ... Bájri ...	45	705	16	...	...	...	15,362	2,90,987	19
Kharif ... Cotton ...	...	...	...	...	...	...	483	12,416	26
Kharif ... Other crops ...	255	8,593	34	26	1,040	40	8,246	2,38,528	29
Kharif ... Total ...	4,800	1,31,431	27	838	17,280	21	181,949	41,42,653	23
Rabi ... Wheat ...	3,270	94,056	29	644	12,880	20	53,904	14,02,080	26
Rabi ... Barley ...	2	45	23	7	105	15	154	3,170	21
Rabi ... Oil-seeds ...	202	2,825	14	1	10	10	6,013	88,357	15
Rabi ... Other crops ...	3,417	68,596	20	48	672	14	36,798	6,57,822	18
Rabi ... Total ...	6,891	1,65,522	24	700	13,667	20	96,869	21,51,429	22
Total under both Heads ...	11,691	2,96,953	25	1,538	30,947	20	278,818	62,94,082	23

Description of Crops.	Ghár Canals District.								
	Sukkur Canal.			Ghár Canal.			Ghár Bunds.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
	47	48	49	50	51	52	53	54	55
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	45,638	13,91,172	30	166,027	53,81,630	32	41	1,365	33
Kharif ... Jowári ...	24,946	4,95,415	20	44,565	8,55,737	19	132	2,935	22
Kharif ... Bájri ...	690	10,898	16	1,107	15,992	14	...	...	...
Kharif ... Cotton ...	1	24	24	2	75	37	...	...	...
Kharif ... Other crops ...	3,235	50,426	16	4,890	1,16,136	24	37	1,249	34
Kharif ... Total ...	74,510	19,47,935	26	216,591	63,69,570	29	210	5,549	26
Rabi ... Wheat ...	17,248	5,75,415	33	32,082	7,26,442	23	249	8,012	32
Rabi ... Barley ...	12	220	18	46	694	15	...	...	...
Rabi ... Oil-seeds ...	8,585	1,64,133	19	31,157	4,96,248	16	14	226	16
Rabi ... Other crops ...	25,905	3,99,238	15	76,436	14,05,462	18	44	936	21
Rabi ... Total ...	51,750	11,39,006	22	139,721	26,28,846	19	307	9,174	30
Total under both Heads ...	126,260	30,86,941	24	356,312	89,98,416	25	517	14,723	28

STATEMENT III-E—*continued.*

Description of Crops.		Ghár Canals District—*concld.*			Karachi Canals District.			Western Nára Dist.		
		Total.			Canals and Bunds.			Canals and Bunds.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
		56	57	58	59	60	61	62	63	64
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice	211,706	67,74,167	32	243,227	61,49,693	26	184,875	54,55,892	30
	Jowári	69,643	13,54,087	19	1,054	9,966	9	81,753	14,48,507	18
	Bájri	1,797	26,890	15	10,058	2,35,825	23	5,123	48,265	9
	Cotton	3	99	33	...	...	...	126	2,087	17
	Other crops	8,162	1,67,811	21	3,955	64,734	16	4,324	81,484	20
	Total	291,311	83,23,054	29	258,294	64,60,218	24	276,201	70,39,235	26
Rabi	Wheat	49,579	13,09,869	26	190	4,122	22	75,300	26,55,840	35
	Barley	58	914	16	5,064	1,09,000	22	2,399	51,668	22
	Oil-seeds	39,756	6,60,607	17	3,146	58,719	19	36,349	5,15,962	14
	Other crops	102,385	18,05,636	18	20,522	4,05,954	20	71,948	14,75,797	21
	Total	191,778	37,77,026	20	28,922	5,77,795	20	185,996	46,99,267	25
Total under both Heads		483,089	1,21,00,080	25	287,216	70,38,013	24	462,197	1,17,38,502	25

Description of Crops.		Indus Right Bank Division.			Jámrao Canal District.			Eastern Nára District.		
		Total.			Jámráo Canal.			Nára Supply Channel.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		65	66	67	68	69	70	71	72	73
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice	801,202	2,31,42,000	29	...	...	...	204	5,712	28
	Jowári	424,221	96,12,178	23	5,781	54,753	9	1,599	31,980	20
	Bájri	156,898	30,47,037	19	60,766	6,11,101	10	51	1,020	20
	Cotton	825	29,414	36	88,493	28,35,242	32	1	15	15
	Other crops	38,528	8,92,384	23	8,437	75,232	9	127	5,080	40
	Total	1,421,674	3,67,23,013	26	163,477	35,76,328	22	1,982	43,807	22
Rabi	Wheat	253,232	81,95,577	32	66,508	10,54,105	16	9,060	1,81,200	20
	Barley	7,725	1,66,072	21	799	6,998	9	6	90	15
	Oil-seeds	153,858	32,57,195	21	3,349	15,735	5	984	9,840	10
	Other crops	368,231	67,36,909	18	5,293	97,662	18	1,585	22,190	14
	Total	783,146	1,83,55,753	23	75,949	11,74,500	15	11,635	2,13,320	18
Total under both Heads		2,204,820	5,50,78,766	25	239,426	47,50,828	20	13,617	2,57,127	19

STATEMENT III-E—*continued.*

Description of Crops.		Eastern Nara.			Mithrao Canal.			Thar Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		74	75	76	77	78	79	80	81	82
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	11,585	3,65,622	32	55,094	16,22,966	29	48,606	10,66,294	22
	Jowári ...	75	1,033	14	1,142	15,330	13	345	7,820	23
	Bájri ...	18,475	4,26,961	23	22,199	4,61,060	21	2,924	67,983	23
	Cotton ...	1,400	60,500	43	24,859	12,84,276	52	1,876	91,455	49
	Other crops...	341	9,204	27	758	18,203	24	508	16,990	33
	Total ...	31,876	8,63,320	27	104,052	34,01,835	33	54,259	12,50,542	23
Rabi ...	Wheat ...	5,168	1,04,648	20	19,598	3,71,020	19	1,354	31,142	23
	Barley ...	264	3,878	15	129	1,872	15	8	113	14
	Oil-seeds ...	2,040	12,382	6	2,541	12,503	5	849	5,102	6
	Other crops...	3,115	79,690	26	1,069	23,868	22	1,254	29,561	24
	Total ...	10,587	2,00,598	19	23,337	4,09,263	18	3,465	65,918	18
Total under both Heads ...		42,463	10,63,918	25	127,389	38,11,098	30	57,724	13,16,460	23

Description of Crops.		Khipro Canal.			Hiral Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		83	84	85	86	87	88
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	959	33,505	35	4,619	1,57,623	34
	Jowári ...	12	204	17	84	1,071	13
	Bájri ...	3,082	76,087	25	6,433	1,27,052	20
	Cotton ...	84	3,071	37	2,550	1,36,000	53
	Other crops...	42	1,260	30	219	6,200	28
	Total ...	4,179	1,14,127	27	13,905	4,27,946	31
Rabi ...	Wheat ...	213	3,781	18	3,269	56,390	17
	Barley ...	.....	.....	...	23	214	9
	Oil-seeds ...	185	1,353	7	388	1,737	5
	Other crops...	15	450	32	68	1,380	20
	Total ...	413	5,584	14	3,748	59,721	16
Total under both Heads ...		4,592	1,19,711	26	17,653	4,87,667	28

STATEMENT III-E—*continued.*

Description of Crops.	Eastern Nára District—*concld.*			Nasrat Canals District.					
	Total.			Dad* Canal.			Nasrat Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	89	90	91	92	93	94	95	96	97
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	121,067	32,51,722	27	14,546	2,31,292	16	184	3,102	17
Jowári ...	3,257	57,438	18	40,695	7,29,885	18	46,604	7,79,798	17
Bájri ...	53,164	11,60,163	22	35,119	8,66,887	25	18,307	3,17,707	17
Cotton ...	30,770	15,75,317	51	7,985	3,02,940	38	1,,223	6,81,304	36
Other crops ...	1,995	56,937	29	7,030	2,12,490	30	10,567	4,37,797	41
Total ...	210,253	61,01,577	29	105,375	23,43,494	22	94,885	22,22,888	23
Rabi ... Wheat ...	38,662	7,48,181	19	6,777	1,36,609	20	3,091	85,691	28
Barley ...	430	6,167	21	922	10,439	11	32	442	14
Oil-seeds ...	6,987	42,917	6	9,328	1,93,722	21	2,693	25,227	9
Other crops ...	7,106	1,57,139	22	2,767	45,415	16	779	24,454	31
Total ...	53,185	9,54,404	18	19,794	3,86,185	20	6,595	1,35,814	21
Total under both Heads ...	263,438	70,55,981	27	125,169	27,29,679	22	101,480	23,58,702	23

* Includes also figures for Pen Distributary *ex.* Dad which is in charge of Executive Engineer, Hyderabad Canals District.

Description of Crops.	Nasrat Canals District—*concluded.*						Hyderabad Canals District.		
	Other Canals.			Total.			Alibhar Kacheri.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	98	99	100	101	102	103	104	105	106
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	6,182	1,05,051	17	20,912	3,39,535	16	784	25,872	33
Jowári ...	59,478	9,52,933	16	146,777	24,62,616	17	1,354	26,490	20
Bájri ...	10,511	1,80,083	17	63,937	13,64,677	21	7,949	2,20,476	28
Cotton ...	974	24,652	25	28,182	10,11,996	36	2,609	1,17,757	45
Other crops ...	2,848	74,475	26	20,445	7,24,762	35	165	7,821	47
Total ...	79,993	13,37,204	17	280,253	59,03,586	21	12,861	3,98,416	31
Rabi ... Wheat ...	9,418	2,12,572	23	19,286	4,34,872	23	1,051	24,364	23
Barley ...	525	6,781	13	1,479	17,662	12	...	...	...
Oil-seeds ...	1,415	28,823	20	13,436	2,47,772	18	1,329	32,157	24
Other crops ...	1,081	26,306	24	4,627	96,175	21	967	18,100	19
Total ...	12,439	2,74,482	22	38,828	7,96,481	21	3,347	74,621	22
Total under both Heads ...	92,432	16,11,686	17	319,081	67,00,067	21	16,208	4,73,037	29

STATEMENT III-E—*continued.*

Description of Crops.	Hyderabad Canals District—*continued.*								
	Great Márak			Sarfraz.			Other Canals.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
	107	108	109	110	111	112	113	114	115
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif — Rice	4,495	1,46,415	33	2,138	53,215	25	2,119	46,929	22
Kharif — Jowári	3,820	72,518	19	1,079	20,359	19	7,397	1,40,321	19
Kharif — Bájri	38,051	9,38,708	25	20,234	3,45,388	17	88,325	21,76,438	25
Kharif — Cotton	23,928	11,07,213	46	4,757	1,04,896	22	37,169	12,01,248	32
Kharif — Other crops	1,130	44,847	40	786	21,590	27	5,462	1,64,357	30
Kharif — Total	71,424	23,09,701	32	28,994	5,45,448	19	140,472	37,29,293	27
Rabi — Wheat	3,979	95,006	24	1,195	30,314	25	4,627	1,05,379	23
Rabi — Barley	...	...	...	...	...	...	1	15	15
Rabi — Oil-seeds	4,480	97,087	22	739	12,119	16	2,347	51,444	22
Rabi — Other crops	5,438	1,01,009	19	1,032	32,695	32	13,943	2,98,039	21
Rabi — Total	13,897	2,93,102	21	2,966	75,128	25	20,918	4,54,877	22
Total under both Heads	85,321	26,02,803	31	31,960	6,20,576	19	161,390	41,84,170	26

Description of Crops.	Hyderabad Canals District—*concluded.*			Fuleli Canals District.					
	Total.			Fuleli Canal.			Hasanali Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	116	117	118	119	120	121	122	123	124
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif — Rice	9,536	2,72,431	29	271,654	75,98,707	28	15,629	5,62,644	36
Kharif — Jowári	13,650	2,59,688	19	6,294	1,05,864	17	184	1,472	8
Kharif — Bájri	154,559	36,81,010	24	87,147	14,28,621	16	3,331	59,958	18
Kharif — Cotton	68,463	25,31,114	37	16,011	3,12,226	20	69	1,035	15
Kharif — Other crops	7,543	2,38,615	32	9,047	3,26,430	36	373	14,072	38
Kharif — Total	253,751	69,82,858	28	390,153	97,71,848	25	19,586	6,89,181	33
Rabi — Wheat	10,852	2,55,063	23	28,030	5,17,238	18	46	1,656	36
Rabi — Barley	1	15	15	1,325	23,172	17	16	288	18
Rabi — Oil-seeds	8,895	1,92,807	22	8,937	1,23,233	14	227	2,043	9
Rabi — Other crops	21,380	4,49,843	21	16,376	2,76,960	17	128	3,146	24
Rabi — Total	41,128	8,97,728	22	54,668	9,40,603	17	417	7,133	17
Total under both Heads	294,879	78,80,586	27	444,821	1,07,12,451	24	20,003	6,46,314	32

STATEMENT III-E—*concluded.*

Description of Crops.	Fuleli Canals District—*concluded.*					
	Other Canals.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	125	126	127	128	129	130
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	18,326	6,63,249	36	305,609	88,24,600	29
Kharif ... Jowári ...	652	11,258	17	7,180	1,18,594	16
Kharif ... Bájri ...	9,802	1,83,979	19	100,280	16,72,558	17
Kharif ... Cotton ...	560	10,272	18	16,640	3,28,533	19
Kharif ... Other crops ...	599	21,660	36	10,019	3,62,162	36
Kharif ... Total ...	29,939	8,90,418	30	439,678	1,13,01,447	26
Rabi ... Wheat ...	955	30,212	32	29,081	5,49,106	19
Rabi ... Barley ...	106	1,944	18	1,447	25,404	18
Rabi ... Oil-seeds ...	758	7,666	10	9,922	1,32,942	13
Rabi ... Other crops ...	1,648	18,629	11	18,152	2,98,735	16
Rabi ... Total ...	3,467	58,451	17	58,552	10,06,187	17
Total under both Heads ..	33,406	9,48,869	28	498,230	1,23,07,634	25

Description of Crops.	Indus Left Bank Division.			Grand Total for Sind.		
	Total.					
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	131	132	133	134	135	136
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	457,124	1,26,88,288	28	1,258,326	3,58,30,288	28
Kharif ... Jowári ...	176,595	29,53,089	17	600,816	1,25,65,267	21
Kharif ... Bájri ...	432,706	84,89,509	20	589,604	1,15,36,546	20
Kharif ... Cotton ...	232,548	82,77,202	36	238,373	83,06,616	36
Kharif ... Other crops	48,439	14,57,708	30	86,967	23,50,092	27
Kharif ... Total ...	1,347,412	3,38,65,796	25	2,769,086	7,05,88,809	25
Rabi ... Wheat ...	164,339	30,41,327	19	417,571	1,12,36,904	27
Rabi ... Barley ...	4,156	56,246	14	11,881	2,22,318	19
Rabi ... Oil-seeds ...	42,589	6,32,173	15	196,447	38,89,368	20
Rabi ... Other crops	56,558	10,99,554	19	424,889	78,36,463	18
Rabi ... Total ...	267,642	48,29,300	18	1,050,788	2,31,85,053	22
Total under both Heads ...	1,615,054	3,86,95,096	24	3,819,874	9,37,73,862	25

STATEMENT

Comparative Statement of Irrigation and

Civil District	Of the Civil District.			Works supplying Irrigation.			Culturable Area commanded by the Irrigation Works, in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Khelat Territory.	513,195	276,920	122,287	1	Desert Canal		101,493
				2	Begári Canal		180,000
						Total ...	281,493
Upper Sind Frontier.	1,889,944	1,377,104	677,194	3	Desert Canal		287,492
				4	Unharwáh		214,056
				5	Begári Canal		416,887
				6	Canals from Kashmor Bund ...		29,401
				7	Sukkur Canal		50,618
				8	Ghár Canal		53,714
				9	Sind Canal		4,119
				10	Canals in Rohri		...
						Total ...	1,056,287
Sukkur Collectorate.	3,587,816	1,926,824	408,703	11	Begári Canal		83,334
				12	Sukkur Canal		58,056
				13	Ghár Canal		942
				14	Ghár Bunds		2,949
				15	Mahiwáh		145,445
				16	Sind Canal		186,919
				17	Canals in Rohri		146,498
				18	Garang Canal		17,900
				19	Rajib Canal		12,400
				20	Chitti Canal		18,200
				21	Bunds in Rohri		450
				22	Sukkur-Begári Bund		19,268
				23	Kásimpur Bund		5,060
				24	Nára Supply Channel		25,000
						Total ...	722,352
Lárkána Collectorate.	1,750,873	1,197,286	855,688	25	Begári Canal		800
				26	Sukkur Canal		60,623
				27	Ghár Canal		401,481
				28	Ghár Bunds		229
				29	Sind Canal		...
				30	Western Nára		371,655
				31	New Feeder		1,600
				32	Pritchard Canal		27,041
				33	Wahurwah		8,000
				34	Marvi		15,121
				35	Dádu Canals		30,654
				36	Phitta Canal		14,460
				37	Manchar		21,500
				38	Aral		14,000
				39	Nára Bunds		20,000
						Total ...	986,664
Karáchi Collectorate.	5,498,556	1,863,867	266,692	40	Canals north of Kotri		21,780
				41	Bunds north of Kotri		1,150
				42	Kalri		36,130
				43	Baghar		67,158
				44	Indus Canal, Right Bank		80,546
				45	Pinyári		138,002
				46	Indus Canal, Left Bank		147,391
				47	Sattah		60,976
				48	Bunds, Right Bank		9,740
				49	Bunds, Left Bank		23,520
				50	Other Canals (Mulchand)		14,501
						Total ...	600,894

IV-E

Rainfall for the years 1915-1916 and 1916-1917 in Sind.

Area at present estimated as annually irrigated by the works, in Acres.	Area irrigated in Acres						Rainfall.		Remarks.
	1915-1916.			1916-1917.			1915-1916.	1916-1917.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
65,000	26,127	37,161	63,288	33,767	37,161	70,928	3 08	2 68	Excludes Kharaba and uncultivated areas assessed by the Political Agent as under :—
30,000	23,828	6,081	29,909	27,556	6,082	33,638	3 05	4 09	
95,000	49,955	43,242	93,197	61,323	43,243	104,566			Kharif. Rabi. Total.
									Desert Canal. 4,742 4,059 8,801
									Begari Canal. 5,719 1,025 6,735
130,000	75,137	62,735	137,872	91,928	77,491	169,419	3 08	2 68	
70,000	44,829	35,307	80,136	56,256	28,985	85,241	4 74	1 88	
200,000	120,925	103,071	223,996	151,472	109,306	260,778	3 05	4 09	
4,000	2,836	1,940	4,776	4,373	2,084	6,457	3 22	2 05	
36,587	7,899	5,627	13,626	11,698	10,897	22,595	1 72	9 26	
20,185	9,208	2,492	11,700	9,661	4,897	14,558	1 72	9 26	
...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	
460,772	260,834	211,172	472,006	325,388	233,660	559,048			
50,000	36,323	18,777	55,100	48,567	18,472	67,039	3 05	4 09	
49,166	18,131	12,880	31,011	22,196	12,779	34,975	0 62	1 45	
550	133	46	179	229	171	400	0 79	1 60	
1,900	219	424	643	210	254	464	0 79	1 60	
99,000	36,022	20,939	56,961	46,475	27,959	74,434			
111,372	58,860	39,247	98,107	67,705	25,313	93,018			
82,968	33,113	12,479	45,592	45,038	20,495	65,533			
9,500	3,290	5,218	8,508	3,741	4,040	7,781			
11,300	5,264	5,634	10,898	6,981	5,401	12,382	0 67	3 98	
14,500	5,446	7,533	12,979	6,332	5,882	12,214			
180	76	50	126	39	188	227			
13,000	3,088	7,207	10,295	4,800	6,891	11,691			
4,006	522	145	667	838	700	1,538			
23,000	1,169	7,644	8,813	1,982	11,635	13,617	...	...	
470,436	201,656	138,223	339,879	255,133	140,180	395,313			
125	43	...	43	...	...	...	3 05	4 09	
49,435	34,118	26,735	60,853	40,616	28,074	68,690	0 79	1 60	
326,269	177,618	109,819	287,437	206,701	134,653	341,354	1 10	3 12	
80	14	...	14	...	53	53	0 56	3 33	
...	...	...	...	...	...	...	...	...	
331,593	177,398	119,162	296,560	226,591	136,224	362,815			
1,500	790	121	911	866	104	970			
18,000	6,840	2,065	8,905	9,847	2,923	12,770			
5,900	1,071	415	1,486	2,437	1,397	3,834			
10,200	3,033	1,803	4,836	3,626	1,848	5,474	1 10	9 86	
21,550	7,484	8,702	16,186	8,251	9,164	17,415			
14,400	4,062	1,458	5,520	4,713	2,710	7,423			
26,500	1,734	8,030	9,764	2,170	15,117	17,287			
8,000	2,776	4,165	6,941	5,250	8,501	13,751			
7,963	1,805	331	2,136	2,629	1,223	3,852			
821,515	418,786	282,806	701,592	513,697	341,991	855,688			
12,963	8,110	3,218	11,328	9,086	6,450	15,536	1 10	9 86	
605	557	72	629	735	335	1,070			
25,260	14,490	3,642	18,132	18,397	2,911	21,308	0 82	16 66	
26,082	27,385	7,287	34,672	36,566	8,242	44,808	1 27	16 87	
31,479	23,120	14,175	37,295	34,908	6,945	41,853	1 16	15 65	
92,789	85,325	8,688	94,013	94,334	4,953	99,287	3 42	13 89	
57,634	39,917	3,052	42,969	49,931	3,184	53,115	3 61	14 91	
14,059	10,455	508	10,963	11,856	563	12,419	4 45	14 29	
4,986	5,211	1,331	6,542	5,790	1,287	7,077	1 46	15 65	
5,248	6,263	722	6,985	6,512	837	7,349	3 71	14 21	
3,206	2,614	550	3,164	5,017	112	5,129	6 62	7 49	
274,311	223,447	43,245	266,692	273,132	35,819	308,951			

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable Area commanded by the Irrigation Works, in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Thar and Párkar Collectorate.	8,727,495	2,590,711	1,068,463	51	Jámráo Canal	591,560
				52	Eastern Nára	506,773
				53	Mithráo Canal	405,457
				54	Khipro Canal	33,845
				55	Thar Canal	136,000
				56	Hiral Canal	49,928
				57	Gháro Mahmudo	40,300
				58	Kari Shumali	26,600
					Total ...	1,790,463
Nawabshah Collectorate.	2,489,413	1,686,506	565,997	59	Jámráo Canal	201,554
				60	Mehrabwah	65,050
				61	Nasrat Canal	324,191
				62	Naulákhi	156,648
				63	Dámbro	42,840
				64	Dad Canal	373,257
				65	Ren Distributary *ex* Dad	40,658
				66	Renwah	90,500
				67	Alibhar Kacheri	48,769
				68	Great Márak	173,054
				69	Gháro Mahmudo	57,385
				70	Other Canals	121,565
					Total ...	1,695,471
Hyderabad Collectorate.	2,833,107	2,038,479	599,112	71	Jámráo Canal	...
				72	Alibhar Kacheri	3,131
				73	Great Márak	65,346
				74	Gháro Mahmudo	270,700
				75	Sarfraz	139,400
				76	Kari Shumali	185,500
				77	Nasirwah	127,300
				78	Other Canals	530
				79	Fuleli Canal	1,437,500
				80	Hasanali Canal	84,000
				81	Other Canals	95,900
					Total ...	2,409,307
	27,290,399	12,957,697	4,564,136		Grand Total ...	9,542,931

Note.—The difference in the figures of columns 2, 3 and 4 as compared with the last year is due to revised last year as given by the Revenue Authorities, is due to the fact that large unassessed numbers have

IV-E—*concluded.*

Area at present estimated as annually irrigated by the works, in Acres.	Area irrigated in Acres.						Rainfall.		Remarks.
	1915-1916.			1916-1917.			1915-1916	1916-1917.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
197,186	106,276	110,963	217,239	123,420	59,376	182,796	5 61	10 57	
90,900	28,644	9,589	38,233	31,876	10,587	42,463	1 28	11 6	
143,500	99,907	29,458	129,365	104,052	23,337	127,389	1 46	11 63	
8,000	3,847	111	3,958	4,179	413	4,592	0 55	14 0	
50,000	54,058	9,405	63,463	54,259	3,465	57,724	2 25	9 15	
15,700	11,477	5,768	17,245	13,905	3,748	17,653	2 52	12 69	
(a)	5,676	172	5,848	6,129	248	6,377	0 33	6 54	(a) Included in Hyderabad Collectorate, separate figures not available.
(a)	4,257	181	4,438	5,020	97	5,117	0 33	6 54	
505,286	314,142	165,647	479,789	342,840	101,271	444,111			
67,185	35,396	25,482	60,878	40,052	16,568	56,620	3 39	12 55	
14,050	10,836	365	11,201	11,886	1,316	13,202	1 21	3 83	
67,200	76,740	5,922	82,662	94,885	6,595	101,480	1 3	8 4	
50,500	42,597	7,175	49,772	46,996	4,977	51,973	0 71	4 47	
14,500	13,540	1,647	15,187	14,251	2,242	16,493	1 3	9 54	
110,000	78,724	10,811	89,535	95,726	17,961	113,687	1 24	16 64	
11,285	7,100	2,368	9,468	9,649	1,833	11,482	1 18	22 55	
20,150	298	212	510	467	470	937	1 18	22 55	
11,605	10,024	520	10,544	11,102	2,934	14,036	1 18	16 13	
73,050	54,472	4,879	59,351	62,830	10,421	73,251	1 12	14 95	
23,000	19,895	2,820	22,715	22,050	3,155	25,205	1 18	9 72	
61,700	7,445	3,343	10,788	7,989	4,583	12,572	1 11	19 3	
524,225	357,067	65,544	422,611	417,883	73,055	490,938			
...	18	...	18	5	5	10	...	...	
18,300	1,819	201	2,020	1,759	413	2,172	1 55	13 98	
58,350	6,868	840	7,708	8,594	3,476	12,070	1 55	13 98	
68,200	42,368	7,737	50,105	46,490	8,724	55,214	1 00	11 70	
40,800	24,365	1,440	25,805	28,994	2,966	31,960	0 90	12 75	
43,000	29,887	1,687	31,574	31,621	3,483	35,104	1 00	11 70	
30,250	23,141	2,968	26,109	27,542	4,057	31,599	1 00	11 70	
(b)	16	...	16	24	5	29	...	...	(b) Included in Nawabshah Collectorate, separate figures not available.
400,000	346,521	70,449	416,970	390,153	54,668	444,821	3 18	14 12	
30,000	17,252	693	17,945	19,586	417	20,003	3 42	12 61	
35,000	20,680	3,129	23,809	24,922	3,355	28,277	2 13	13 6	
723,900	512,935	89,144	602,079	579,690	81,569	661,259			
3,875,445	2,338,822	1,039,023	3,377,845	2,769,086	1,050,788	3,819,874			

figures reported this year by the Revenue Authorities. The difference in the figures of column 7 as compared with the not any settled source of irrigation shown in Survey Records.

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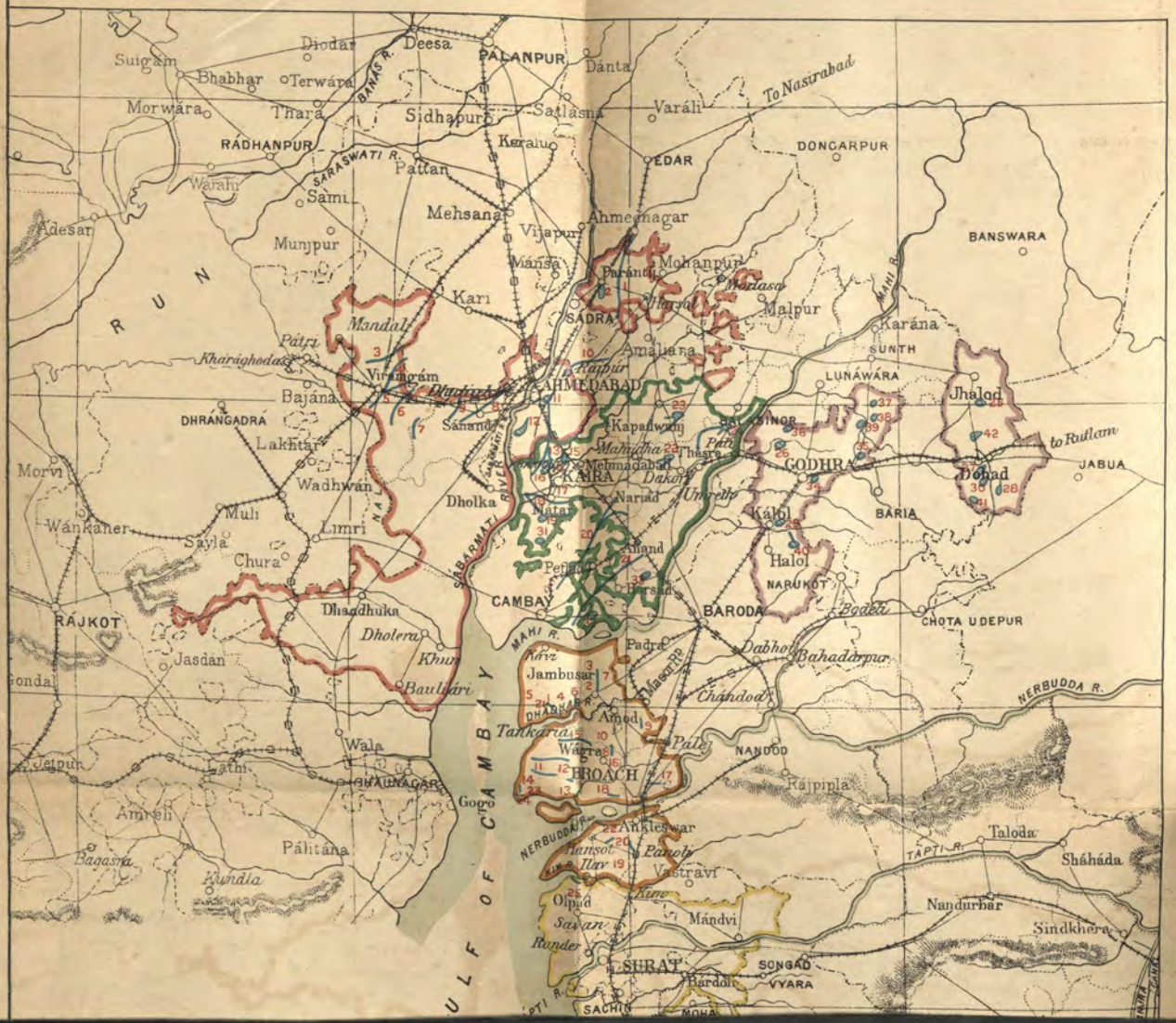
NORTHERN DIVISION
BOMBAY PRESIDENCY

— Scale 20 Miles to an Inch. —



1917.

GUJARAT IRRIGATION DISTRICT WORKS IN OPERATION.

AHMEDABAD COLLECTORATE

1. HATHMATI CANAL.
2. BOKH RESERVOIR
3. PANAR DEDIASAN DRAINAGE
4. VIRAMGAM DRAINAGE
5. NARSINGPUR DRAINAGE
6. GHODA FEEDER
7. OGAN DRAIN
8. DRAIN FROM GODHAVI TO GORAJ
9. CHEKHLA DRAIN
10. KHARI CUT
11. CHANDOLA TANK
12. VASAI RESERVOIR

KAIRA COLLECTORATE

13. KHARI SLUICES
14. GODHALAJ TANK
15. GALKI TANK
16. BHERAI RESERVOIR
17. MATAR DRAIN
18. TRANJA TANK
19. NAGRANA TANK
20. ANAND MOGRI DRAIN
21. HARAMSAD DRAIN
22. SAIAT TANK
23. SAULI TANK
24. WAHGROLI TANK

PANCHMAHALS COLLECTORATE.

25. MANDELAV TANK
26. RATNESWAR TANK
27. MUWALIA TANK
28. GARABADA TANK
29. MALAO TANK
30. FUTELAO TANK

INCOMPLETE WORKS

KAIRA COLLECTORATE.

31. PARIEJ TANK
32. KANBHA TANK
33. KANTHARIA TANK

PANCHMAHALS COLLECTORATE.

34. KANELAO TANK
35. ORWADA TANK
36. GUNELI TANK
37. RAJAYATA WANDELI TANK
38. DANGARIA TANK
39. BODIDRA TANK
40. VADA TALAO
41. CHHARCHODA ABMLI TANK
42. SUKI RIVER PROJECT.

— BROACH DISTRICT —

— WORKS IN OPERATION —

1. KORA MAJAPHER JANTRAN DRAINAGE CHANNEL

- NOTES -

- AHMEDABAD DISTRICT COLOURED RED
- KAIRA DISTRICT COLOURED GREEN
- PUNCH MAHALS DISTRICT COLOURED PURPLE
- BROACH DISTRICT COLOURED BURNT SIENNA
- SURAT DISTRICT COLOURED YELLOW OCHRE

2	NOBAR UMRA KOTASAR	D°	D°
3	HAMUMANA NOBAR	D°	D°
4	AMANPUR NADIAD	D°	D°
5	SIRDHAV	D°	D°
6	WANSETTA	D°	D°
7	CHANNEL FROM UBER VIA° TO MEET CH° NEAR DABA		
8	KOLVAN ITOLA DRAINAGE CHANNEL		
9	GHAMNAD DRAINAGE CHANNEL INCLUDING DANDA & SHIMALTHI		
10	NINUM CHANNEL		
11	SOMADHPUR PANIADRA CHANNEL		
12	PAKHAJAN AMBHEL	D°	
13	NADIDA AKHOD	D°	
14	JOLVA	D°	
15	GRA VICHIAD BADALPUR	D°	
16	RAHAD	D°	
17	WAGHUSAN DRAINAGE	D°	
18	WANSI	D°	
19	ADEL HAJAT	D°	
20	ASTA	D°	
21	ASARSA RECLAMATION BUND		
22	HANSOT D°	D°	
23	PROTECTIVE BUND AT NADSORA		
24	PROTECTIVE BUND AT KAKNIGAM		

- SURAT DISTRICT -

- WORKS IN OPERATION -

25	MORTHAN CHANNEL
26	WAGHREJ PROTECTIVE WORKS

Superintending Engineer N.D.

- EXECUTIVE ENGINEER -
- SURAT & BROACH -

EXECUTIVE ENGINEER,
GUJARAT IRRIGATION DISTRICT.

INDIA
AGENCY
CENTRAL PROV.
BERAR
GULF OF CAMBAY
GODHRA
KAIRA
Nadiad
Dholka
Mátar
Kalol
Halol
CAMBAY
BARODA
Dholera
Khuri
Kavi
Jambusar
Baulidari
Padra
Chándod
Dabhoi
Mahadpur
Amod
Tankara
Wágra
BROACH
Ankleswar
Hansot
Olpad
Sayan
Rander
SURAT
Bardoli
VYARA
Jalalpor
Navsari
Gandevi
BANSDA
Bilimora
Chikhli
Bhávgham
Bulsar
DHARAMPOR
Pardi
DAMAN
Umbargám
Vevji
Chincha
Tárápur
Dahanu
Vangaum
NAWHAR
Palghar
Máhim
Wáda
Agáshi
Bassein
Bhiwandi
Kalyán
Murbad
Goregaon
Wasáwal
PANNA
Bandora
Mahim
Parnel
Narel
Sháhápur
Bas Road Sta.
Dohad
JABUA
BARIA
AMJHERA
DHAR
INDORE
MHOW
To Agra
CHOTA UDEPUR
NARUKOT
NERBUDDA R.
BARWANI
KARGUN
To Indore
To Burhanpur
To Jubbulpore
Taloda
Sháhada
Shirpur
Nandurbar
Sindkhera
TALWADA TANK
Chopra
Ravere
Yaval
Amalner
JALGAON
Mhaswa
Pimpalner
DHULIA
Párola
Erandol
Mhasavad
Bhadgaon
Páchora
Jamner
To Nagpur
To Malkapur
Satána
Malegaon
Thengoda
Kalwan
Chalisgaon
Rajgaon
Chándor
Nándgaon
Dindori
Pimpalkhare
Vani
Nasik
Ojhar
Nhichu
Yeola
Kopergaon
To Aurangabad
AURANGABAD
Sinnar
Ghatpuri
Akola
Sangamner
Rámu
Newasa
Sheogaon
AHMEDNAGAR
MULA R.
GODAVARI RIVER
From Igatpuri
PRAVARA R.
GIRNA R.
PURNA R.
TAPTI R.
NERBUDDA R.
DHANJHRA R.
KIM R.
MAHI R.
SABARMATI RIVER
DHADHAR R.
MASUR TP.
Vaghad Tank
Chankapur Tank
Darna Reservoir (Lake Beale)
Bhandardara Tank (Lake A. Hill)
Girna L.B. Canal
Waldevi Canal
Gujar Tambat Canal
Parsul Tank
Mosam Group
Kadwa Group
Darna Group
Deo Group
Mahalungi Group
Godavari Group
Pravara Group
Khirdi Sathe Tank
Ekruk Tank
Aehti Tank
Koregaon Tank
Mangi Tank
Hotgi Tank
Bhatodi Tank
Kapurwada Tank
Visapur Tank
Bodavari Group
Kasurdi
Shinsufnal
Bhadalwadi
Pathri Tank
Wadshivne
Budhihal Tank
Khamgaon
Varvand
Matoba
Lake Fife
Mutha Canals
Rahuri Distributary
Deo Canal
Malegaon Canal
Jamner Canals
Purna R.
Girna R.
Pravara R.
Godavari R.
Mula R.
Dhanjhra R.
Kim R.
Mahi R.
Sabarmati River
Nerbudda R.
Tapti R.
Dhadhar R.
Masur Tp.
Mhaswa Tank
Talwada Tank
Upper Panjhra Group
Lower Panjhra Group
Mosam Group
Darna Group
Kadwa Group
Deo Group
Mahalungi Group
Godavari Group
Pravara Group
Waghad Tank
Chankapur Tank
Darna Reservoir (Lake Beale)
Bhandardara Tank (Lake A. Hill)
Girna L.B. Canal
Waldevi Canal
Gujar Tambat Canal
Parsul Tank

BOMBAY
ALIBAG
MORUD
JANJIRA
RATNAGIRI
SATARA
KOLHAPUR
BELGAUM
DHARWAR
GOA
SHOLAPUR
BIJAPUR
Mahim
Uran
Matheran
Karjat
Khopoli
Pen
Roha
Mangaon
Chaul
Bankot
Harnai
Dapoli
Khed
Anjanwel
Jaigad
Sangameshwar
Vishalgarh
Rajapur
Vizadurg
Deogarh
Malwan
Vengurla
Kharepatan
Baura
Kagal
Tarla
Kapsi
Bhudargarh
Garhinglaj
Ajra
Gokak
Chikori
Athni
Sawdagi
Jamkhandi
Kundgol
Bagewadi
Muddebihal
Hungund
Badami
Bagalkot
Kaladgi
Ramdurg
Torgal
Saundatti
Sampgaon
Nargund
Ron
Gajendragarh
Bichohm
Khanapur
Bidi
Mormugao
Hubli
Gadag
Bellary
Kopbal
Yelburga
Indi
Sindgi
Jath
Daphlapur
Jat
Mangalvedha
Pandharpur
Mohol
Madha
Barsi Road Sta.
Tadvai
Karmala
Jeur
Kurduvadi
Jeur
Patas
Daund
Supa
Baramati
Indapur
Malsiras
Akluj
Nateput
Phaltan
Vadgaon
Jath
Atpadi
Khanapur
Vita
Pusesavli
Patan
Karad
Rahimatpur
Koyna Storage
Satara
Wathar
Waluj
Sangola
Akalkot
Tuljapur
Omerga
Ashti
Karmala
Shrigonda
Parner
Ahmednagar
Sirur
Talegaon
Khed
Kharkala
Antora
Talegaon
Nabhadia
Alandi
Ramdhera
Vadgaon
Jamkhed
Kada
Tadvai
Barsi Road Sta.
Koregaon Tank
Lake Fee
Lake Whiting
Bhatghar Dam
Bhor
Nira River
Bhima River
Krishna River
Ghatprabha R.
Malprabha R.
Mulgund
Savant Wadi
Ajra Storage
Daddi Storage
Ghatprabha R.B. Canal
Krishna R.B. Canal
Jamkhandi Branch
Mudhol Branch
Tubachi Branch
Bagalkot Branch
Ramdurg Branch
Gokak Canal
Nira R.B. Canal
Nira Storage
Shivaji Sagar Lake
Shivaji Sagar Lake Canal
Shivaji Sagar Lake Canal Extension
Shivaji Sagar Lake Canal Extension Branch
Shivaji Sagar Lake Canal Extension Tubachi Branch
Shivaji Sagar Lake Canal Extension Bagalkot Branch
Shivaji Sagar Lake Canal Extension Ramdurg Branch
Shivaji Sagar Lake Canal Extension Gokak Canal
Shivaji Sagar Lake Canal Extension Nira R.B. Canal
Shivaji Sagar Lake Canal Extension Nira Storage
Shivaji Sagar Lake Canal Extension Daddi Storage
Shivaji Sagar Lake Canal Extension Ghatprabha R.B. Canal
Shivaji Sagar Lake Canal Extension Krishna R.B. Canal
Shivaji Sagar Lake Canal Extension Jamkhandi Branch
Shivaji Sagar Lake Canal Extension Mudhol

SOUTHERN DIVISION
BOMBAY PRESIDENCY
For Irrigation Administration Report.
Scale 20 miles = 1 inch.
SATARA DISTRICT.
Works in operation.
1 Krishna Canal
2 Revari do.
3 Upper Man River works (Pingli Tank)
4 Yerla River Irrigation Works (Nehr do)
5 Chikhli Canal.
6 Maini Tank.
Incomplete works.
7 Goregaon Tank.
BELGAUM DISTRICT.
WORKS IN operation.
1 Gadikeri Tank.
2 Gokak Canal:-1st Section and storage works.
3 Shedbal Tank.
DHARWAR IRRIGATION DISTRICT.
Works in operation.
1 Dambal Tank.
2 Medleri do.
3 Madag do.
4 Asundi do.
5 Mavinkop do.
6 Dharma and Naregal Canals (2nd class).
BIJAPUR DISTRICT.
Works in operation.
1 Muchkundi Tank.
B Kharkhanis
SUPERINTENDING ENGINEER. S. D.
Govt Photozinco Office, Poona, 1917.
MORUD
JANJIRA
Chaul
Roha
Mangaon
Bankot
Harnai
Dapoli
Khed
Anjanwel
Jaigad
RATNAGIRI
Vishalgarh
Rajapur
Vizadury
Deogarh
Vengurla
GOA
Mormugão
KARWAR
Kumta
Honawar
Bhatkal
Gersappa
Ankola
Sirsi
Sonda
Kadra
Yellapur
Margaon
Supa
Haliyal
Bicholim
Khanapur
Nawalgund
Gajendragarh
Ron
Badami
Hungund
Bagalkot
Kaladgi
Muddebihal
Bagewadi
Sindgi
Indi
Jath
Daphlapur
Athni
Sawalgi
Jamkhandi
Mudhol
Ramdurg
Torgal
Saundatti
Savantwadi
Kolhapur
Panhala
Malkapur
Shirala
Ashta
Aitwade
Sangameshwar
Chiplun
Patan
Karad
Vita
Khanapur
Aundh
Mayni
Atpadi
Sangola
Phaltan
Nira River
Baramati
Jejuri
Saswad
Supa
Pomalwadi
Indapur
Bhatghar Reservoir
Bhor
Mahad
Mahableshwar
Wai
Panchgani
Medha
Koregaon
Satara
Rahimatpur
Warna
Dalmwari
Khatao
Yerla Canals
Ring
Mhasvad
Mhasvad Tank
Pandharpur
Sholapur
Akalkot
Malsiras
Nitepura
Arag
Modnimb
Mohol
Karmala
Karjat
Poona
Lake Fife
Mutha Canal
Yerrowda
Tadvat
Barsi
Barsi Road St.
Madha
Jeur Railway
Sina R.
To Hyderabad
To Bellary
To Bangalore
Madras Presy.
Mysore Ter.
Shedbal T.
Gadikeri T.
Dambal T.
Asundi T.
Medleri T.
Madag T.
Mavinkop
Kalghatgi
Lakshmeshwar
Shiggaon
Karajgi
Hangal
Haveri
Ranibennur
Kod
Hirekerur
Savanur
Tungabhadra R.
Bhima River
Krishna River
Ghatprabha R.
Malprabha R.
Kalinadi R.
Savitri R.
Vashishti R.
Shastri R.
Vasna R.
Mira R.
Don R.
Yerla R.
Gokak Canal
Chikhli C.
Krishna Canal
Revari
Nehr T.
Maini
Goregaon T.
Pingli T.
Gokak
Chikori
Kagal
Baura
Tarla
Kansi
Bhudargarh
Garhinglaj
Ajra
Nalwan
Kharepatan
Inchalkaranji
Ichalkaranji
Shirol
Ainapur
Ainapur
Tasgaon
Petri
Kurundwad
Rajapur
Dabhol
Chiplun
Patan
Karad
Vita
Khanapur
Aundh
Mayni
Atpadi
Sangola
Phaltan
Nira River
Baramati
Jejuri
Saswad
Supa
Pomalwadi
Indapur
Bhatghar Reservoir
Bhor
Mahad
Mahableshwar
Wai
Panchgani
Medha
Koregaon
Satara
Rahimatpur
Warna
Dalmwari
Khatao
Yerla Canals
Ring
Mhasvad
Mhasvad Tank
Pandharpur
Sholapur
Akalkot
Malsiras
Nitepura
Arag
Modnimb
Mohol
Karmala
Karjat
Poona
Lake Fife
Mutha Canal
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Madag T.
Mavinkop
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Lakshmeshwar
Shiggaon
Karajgi
Hangal
Haveri
Ranibennur
Kod
Hirekerur
Savanur
Tungabhadra R.
Bhima River
Krishna River
Ghatprabha R.
Malprabha R.
Kalinadi R.
Savitri R.
Vashishti R.
Shastri R.
Vasna R.
Mira R.
Don R.
Yerla R.
Gokak Canal
Chikhli C.
Krishna Canal
Revari
Nehr T.
Maini
Goregaon T.
Pingli T.
Gokak
Chikori
Kagal
Baura
Tarla
Kansi
Bhudargarh
Garhinglaj
Ajra
Nalwan
Kharepatan
Inchalkaranji
Ichalkaranji
Shirol
Ainapur
Ainapur
Tasgaon
Petri
Kurundwad
Rajapur
Dabhol
72°
73°
74°
75°
76°
18°
17°
16°
15°
14°

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Govt Photozinco. Office, Poona 1917.

R S Hansd

SUPERINTENDING ENGINEER,
INDUS LEFT BANK DIVISION.
24 : 8 - 17.